

## ARG30347 CAF Marker Antibody Panel

Package: 1 kit  
Store at: -20°C

### Component

Cat. No.	Component Name	Host clonality	Reactivity	Application	Package
ARG66199	anti-Vimentin antibody [SQab1721]	Rabbit mAb	Hu, Ms	FACS, ICC/IF, IHC-P, IHC-Fr, IP, WB	20 µl
ARG55205	anti-S100A4 antibody	Rabbit pAb	Hu, Ms, Rat	ICC/IF, IHC-P, WB	20 µl
ARG66381	anti-alpha smooth muscle Actin antibody [SQab18108]	Rabbit mAb	AGMK, Bov, Ctl, Dog, Hu, Ms, Pig, Rat, Zfsh	FACS, ICC/IF, IHC-P, IHC-Fr, WB	20 µl
ARG66701	anti-FAP / Fibroblast activation protein antibody	Rabbit pAb	Hu, Ms, Rat	ICC/IF, IHC-P, WB	20 µl

### Summary

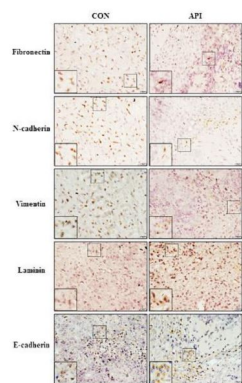
Product Description	<p>Cancer-associated fibroblasts (CAFs) are abundant in the cancer stroma and involved in tumor growth, angiogenesis, and metastasis. CAFs comprise a heterogeneous group of fibroblasts and myofibroblasts. High proportion of CAFs is associated with poor prognosis.</p> <p>CAF Marker Antibody Panel is an all-in-one solution to make the detection of CAFs easy and economical. This antibody panel comprises the marker antibodies of fibroblasts and myofibroblasts. It is the best solution to investigate CAF heterogeneity in tumors. Moreover, it is ideal for the studies of fibroblast activation and fibroblast-to-myofibroblast differentiation.</p> <p>Related news: <a href="#">New antibody panels for Myofibroblasts and CAFs</a></p>
Target Name	CAF Marker

### Properties

Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

### Bioinformation

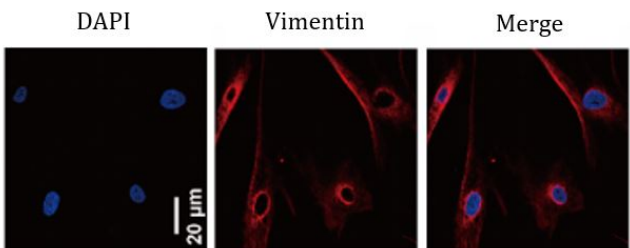
Highlight	<p>Related Product:</p> <p><a href="#">anti-Vimentin antibody;</a></p> <p><a href="#">anti-S100A4 antibody;</a></p> <p><a href="#">anti-alpha smooth muscle Actin antibody;</a></p> <p><a href="#">anti-FAP / Fibroblast activation protein antibody;</a></p>
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ARG66199 anti-Vimentin antibody [SQab1721] IHC-P image

Immunohistochemistry: C33A stained with [ARG66162 anti-Fibronectin antibody](#) , [ARG22587 anti-N Cadherin antibody \[13A9\]](#), ARG66199 anti-Vimentin antibody [SQab1721], [ARG59198 anti-Laminin antibody](#) and [ARG66195 anti-E Cadherin antibody \[SQab1717\]](#) .

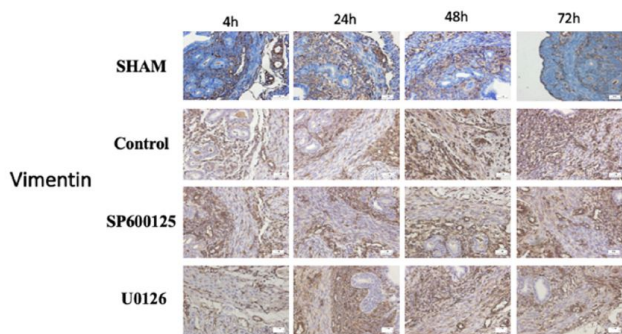
From Ya-Hui Chen et al. Cancers (Basel)- (2022), [doi: 10.3390/cancers14071824](#), Fig. 6. E.



ARG66199 anti-Vimentin antibody [SQab1721] ICC/IF image

Immunofluorescence: Human keloid stained with ARG66199 anti-Vimentin antibody [SQab1721].

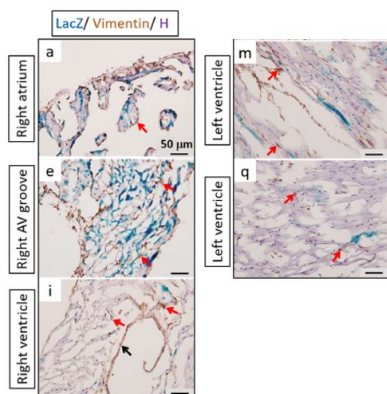
From Xiaoqian Li et al. preprint. (2024), [doi: 10.21203/rs.3.rs-4780437/v1](#), Fig. 1. C.



ARG66199 anti-Vimentin antibody [SQab1721] IHC-P image

Immunohistochemistry: Mouse myometrium stained with ARG66199 anti-Vimentin antibody [SQab1721].

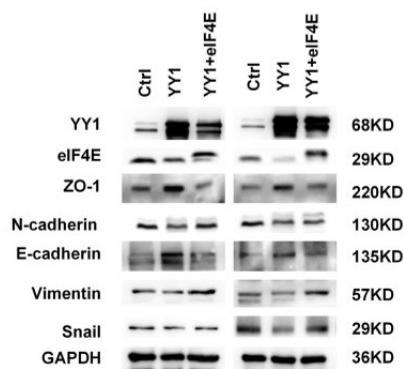
From Xi Wang et al. Biomedicines (2022), [doi: 10.3390/biomedicines10061218](#), Fig. 4. B.



ARG66199 anti-Vimentin antibody [SQab1721] IHC-Fr image

Immunohistochemistry: Frozen mouse heart stained with ARG66199 anti-Vimentin antibody [SQab1721].

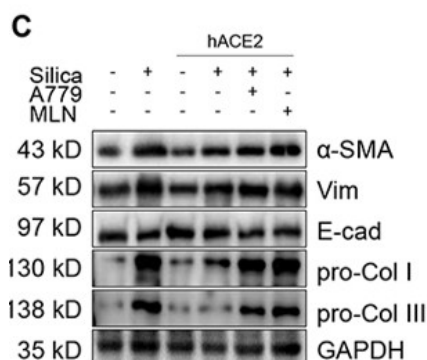
From Yi-Chao Hsu et al. Cells (2022), [doi: 10.3390/cells11010121](#), Fig. 5. A, 5. E, 5. I, 5. M, and 5. Q.



#### ARG66199 anti-Vimentin antibody [SQab1721] WB image

Western blot: Human nasopharyngeal carcinoma cell stained with ARG66199 anti-Vimentin antibody [SQab1721].

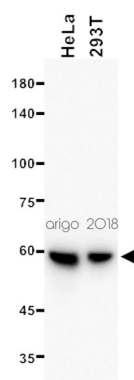
From Mengna Li et al. Am J Cancer Res. (2023), [PMID: 37693135](#), Fig. 4. C.



#### ARG66199 anti-Vimentin antibody [SQab1721] WB image

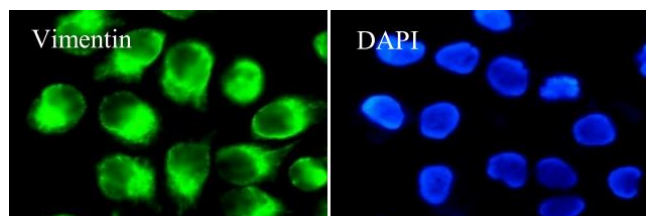
Western blot: MLE-12 stained with ARG66199 anti-Vimentin antibody [SQab1721].

From Li S et al. Drug Des Devel Ther- (2020), [doi: 10.2147/DDDT.S252351](#), Fig. 4. C.



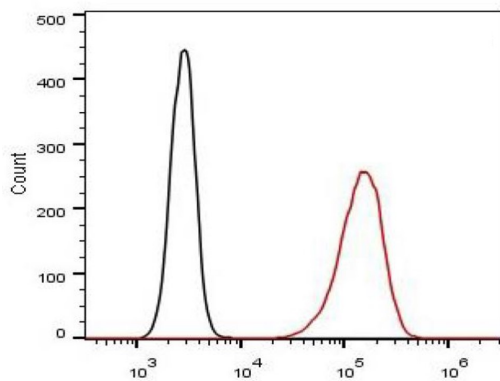
#### ARG66199 anti-Vimentin antibody [SQab1721] WB image

Western blot: 20 µg of HeLa and 293T cell lysates stained with ARG66199 anti-Vimentin antibody [SQab1721] at 1:1000 dilution.



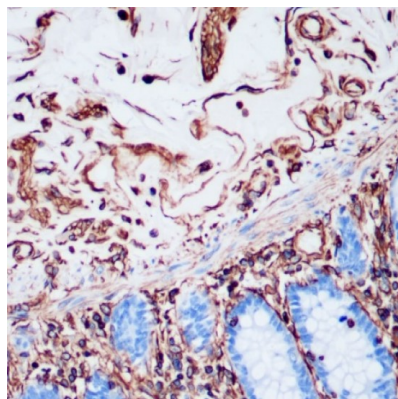
#### ARG66199 anti-Vimentin antibody [SQab1721] ICC/IF image

Immunofluorescence: HeLa cells were fixed with 4% paraformaldehyde for 30 min at RT, permeabilized with 0.1% Triton X-100 for 10 min at RT then blocked with 10% goat serum for 30 min at room temperature. Cells were stained with ARG66199 anti-Vimentin antibody [SQab1721] (green) at 1:25000 and 4°C. DAPI (blue) was used as the nuclear counter stain.



#### ARG66199 anti-Vimentin antibody [SQab1721] FACS image

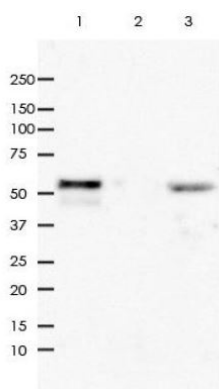
Flow Cytometry: HeLa cells were fixed with 4% paraformaldehyde (10 min) and then permeabilized with 0.1% TritonX-100 for 15 min. The cells were then stained with ARG66199 anti-Vimentin antibody [SQab1721] (red) at 1:500 dilution in 1x PBS/1% BSA for 30 min at 4°C, followed by Alexa Fluor® 488 labelled secondary antibody. Unlabelled sample (black) was used as a control.



#### ARG66199 anti-Vimentin antibody [SQab1721] IHC-P image

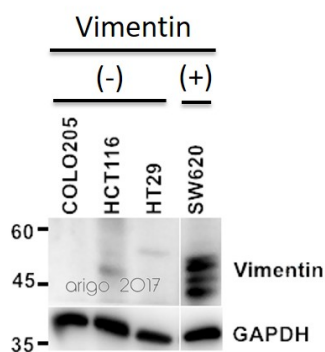
Immunohistochemistry: Formalin-fixed and paraffin-embedded Human colon tissue stained with ARG66199 anti-Vimentin antibody [SQab1721] at 1:1000 dilution.

Antigen retrieval: Heat mediated was performed using Tris/EDTA buffer pH 9.0



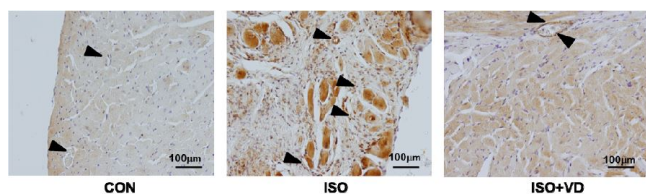
#### ARG66199 anti-Vimentin antibody [SQab1721] IP image

Immunoprecipitation: 0.4 mg of HeLa cell lysate immunoprecipitated and stained with ARG66199 anti-Vimentin antibody [SQab1721]. 1) IP in HeLa whole cell lysate, 2) Rabbit IgG instead of primary antibody in HeLa whole cell lysate and 3) HeLa whole cell lysate, 10 µg (input).



#### ARG66199 anti-Vimentin antibody [SQab1721] WB image

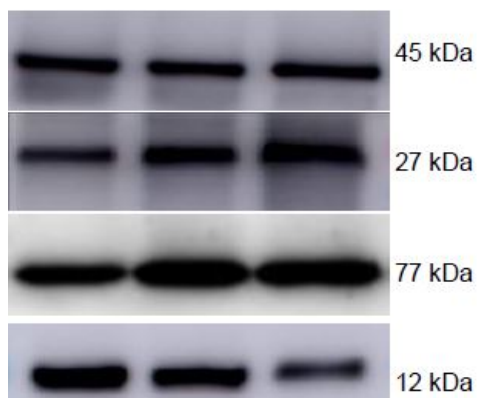
Western blot: 20 µg of COLO205, HCT116, HT29 (Vimentin unexpression cell lines) and SW620 (Vimentin expression cell line). Cell lysates stained with ARG66199 anti-Vimentin antibody [SQab1721] at 1:1000 dilution.



ARG55205 anti-S100A4 antibody IHC-P image

Immunohistochemistry: Rat heart stained with ARG55205 anti-S100A4 antibody.

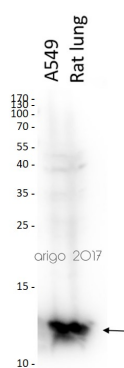
From Lai CC et al. Int J Mol Sci- (2020), [doi: 10.3390/ijms21062196](https://doi.org/10.3390/ijms21062196), Fig. 5.



ARG55205 anti-S100A4 antibody WB image

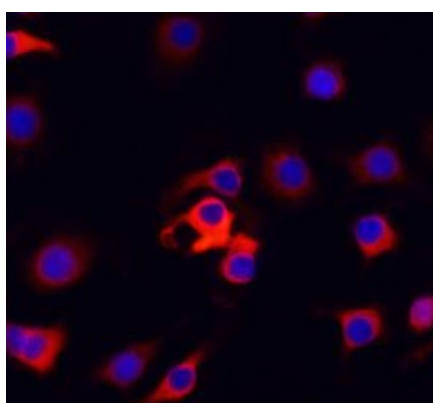
Western blot: MG63 stained with ARG55205 anti-S100A4 antibody.

From Chen Jingjing1 et al. Chinese Journal of Tissue Engineering Research (2019), [doi: 10.3969-j.issn-2095-4344-1626](https://doi.org/10.3969-j.issn-2095-4344-1626), Fig. 4.



ARG55205 anti-S100A4 antibody WB image

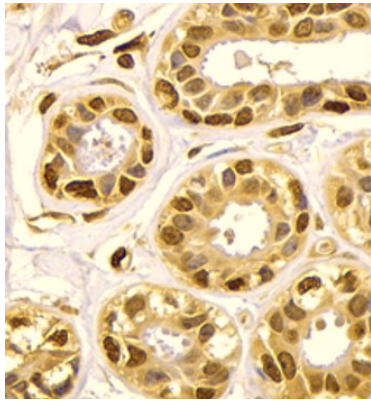
Western blot: 30 µg of A549 and Rat lung lysates stained with ARG55205 anti-S100A4 antibody at 1:500 dilution.



ARG55205 anti-S100A4 antibody ICC/IF image

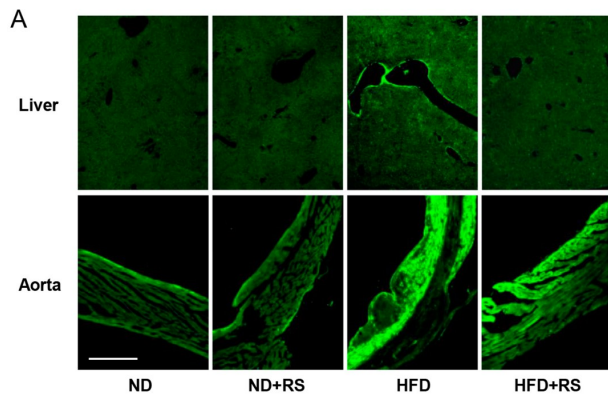
Immunofluorescence: RAW264.7 cells stained with ARG55205 anti-S100A4 antibody at 1:100 dilution. Blue: DAPI for nuclear staining.





ARG55205 anti-S100A4 antibody IHC-P image

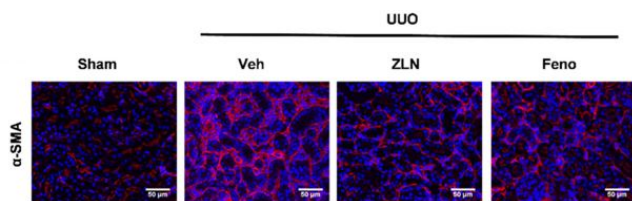
Immunohistochemistry: Paraffin-embedded Human breast stained with ARG55205 anti-S100A4 antibody at 1:100 dilution.



ARG66381 anti-alpha smooth muscle Actin antibody [SQab18108] IHC-Fr image

Immunohistochemistry: Frozen mouse aorta stained with ARG66381 anti-alpha smooth muscle Actin antibody [SQab18108].

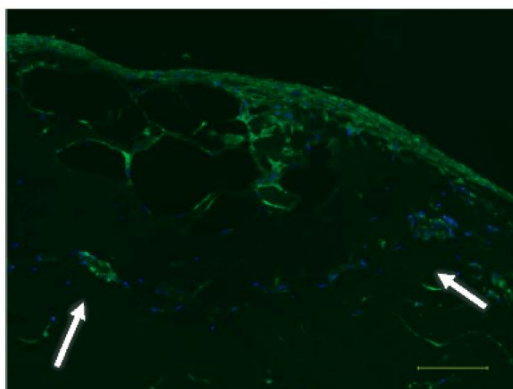
From Masahiro Terasawa et al. Cells (2023), [doi: 10.3390/cells12222666](https://doi.org/10.3390/cells12222666), Fig. 2A.



ARG66381 anti-alpha smooth muscle Actin antibody [SQab18108] ICC-IF image

Immunofluorescence: Mouse kidney stained with ARG66381 anti-alpha smooth muscle Actin antibody [SQab18108].

From Pengfei Zhu et al. Pharmaceuticals (Basel)- (2022), [doi: 10.3390/ph15040434](https://doi.org/10.3390/ph15040434), Fig. 1. A.

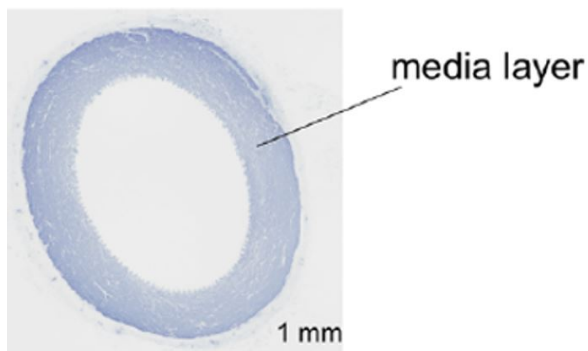


ARG66381 anti-alpha smooth muscle Actin antibody [SQab18108] IHC-P image

Immunohistochemistry: Cattle periosteum stained with ARG66381 anti-alpha smooth muscle Actin antibody [SQab18108].

From Mari Akiyama et al. Biomimetics (Basel). (2023), [doi: 10.3390/biomimetics8010007](https://doi.org/10.3390/biomimetics8010007), Fig. 4. C.

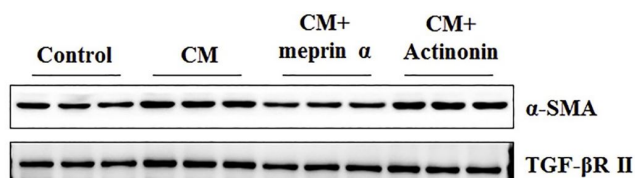
alpha-SMA



ARG66381 anti-alpha smooth muscle Actin antibody [SQab18108]  
IHC-P image

Immunohistochemistry: Bovine blood vessels stained with ARG66381 anti-alpha smooth muscle Actin antibody [SQab18108].

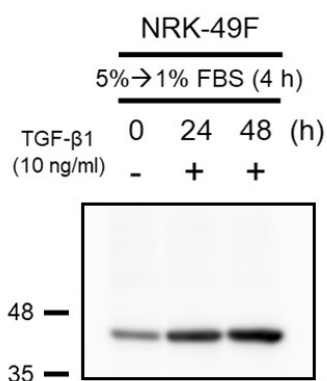
From Mari Akiyama et al. Cell Biochem Biophys. (2024), [doi: 10.1007/s12013-024-01647-5](https://doi.org/10.1007/s12013-024-01647-5), Fig. 5.



ARG66381 anti-alpha smooth muscle Actin antibody [SQab18108]  
WB image

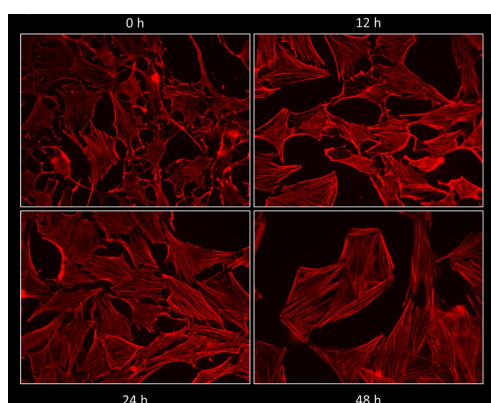
Western blot: Rat lung fibroblasts stained with [ARG66381](#) anti-alpha smooth muscle Actin antibody [SQab18108], and [ARG59501](#) anti-TGFBR2 / TGF beta Receptor II antibody.

From Chen Y et al. Preprint- (2020), [doi: 10.1016/j.omtn.2019.11.018](https://doi.org/10.1016/j.omtn.2019.11.018), Fig. 2. A.



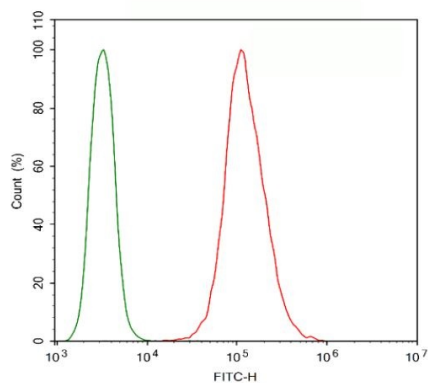
ARG66381 anti-alpha smooth muscle Actin antibody [SQab18108]  
WB image

Western blot: 30 µg of NRK-49F cells treated with TGF beta 1 (10 ng/ml) for 0~48 hours. Cell lysates were stained with ARG66381 anti-alpha smooth muscle Actin antibody [SQab18108] at 1:2000 dilution, overnight at 4°C.



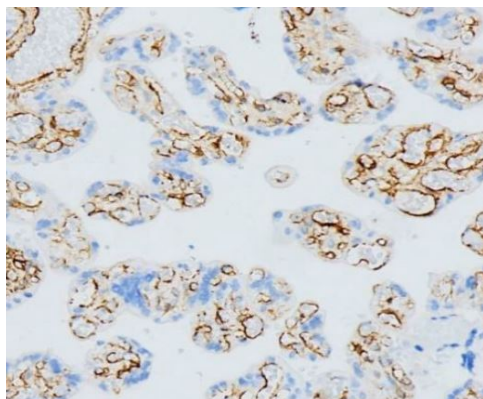
ARG66381 anti-alpha smooth muscle Actin antibody [SQab18108]  
ICC/IF image

Immunofluorescence: NRK-49F cells treated with TGF beta 1 (10 ng/ml) for 0~48 hours. Cells were fixed with 4% PFA for 15 min at room temperature and permeabilized by 0.5% Triton X-100. Cells were stained with ARG66381 anti-alpha smooth muscle Actin antibody [SQab18108] at 1:200 dilution, overnight at 4°C.



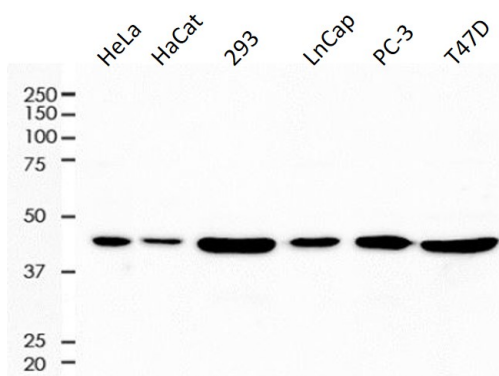
#### ARG66381 anti-alpha smooth muscle Actin antibody [SQab18108] FACS image

Flow Cytometry: HeLa cells were fixed with 4% paraformaldehyde (10 min) and then permeabilized with 0.1% TritonX-100 for 15 min. The cells were then stained with ARG66381 anti-alpha smooth muscle Actin antibody [SQab18108] (red) at 1:100 dilution in 1x PBS/1% BSA for 30 min at 4°C, followed by Alexa Fluor® 488 labelled secondary antibody. Unlabelled sample (green) was used as a control.



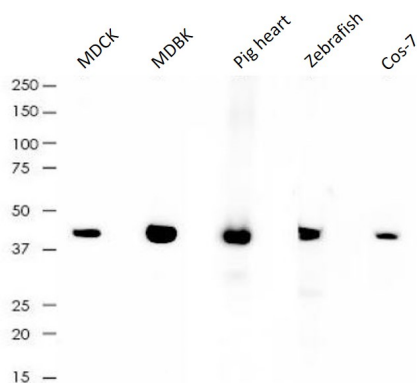
#### ARG66381 anti-alpha smooth muscle Actin antibody [SQab18108] IHC-P image

Immunohistochemistry: Formalin-fixed and paraffin-embedded placenta stained with ARG66381 anti-alpha smooth muscle Actin antibody [SQab18108] at 1:2000 dilution. Antigen Retrieval: Heat mediated was performed using Tris/EDTA buffer (pH 9.0).



#### ARG66381 anti-alpha smooth muscle Actin antibody [SQab18108] WB image

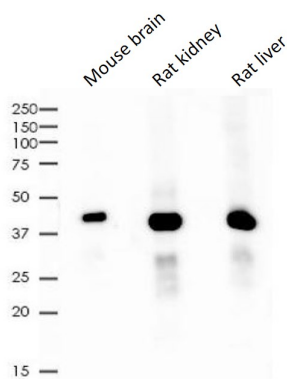
Western blot: 10 µg of HeLa, HaCat, 293, LnCap, PC-3 and T47D cell lysates stained with ARG66381 anti-alpha smooth muscle Actin antibody [SQab18108] at 1:2000 dilution.



#### ARG66381 anti-alpha smooth muscle Actin antibody [SQab18108] WB image

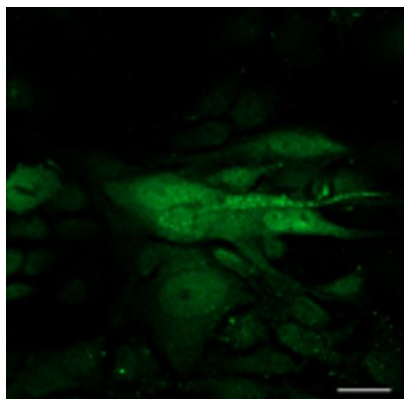
Western blot: 10 µg of MDCK, MDBK, Pig heart, Zebrafish and Cos-7 lysates stained with ARG66381 anti-alpha smooth muscle Actin antibody [SQab18108] at 1:2000 dilution.





ARG66381 anti-alpha smooth muscle Actin antibody [SQab18108]  
WB image

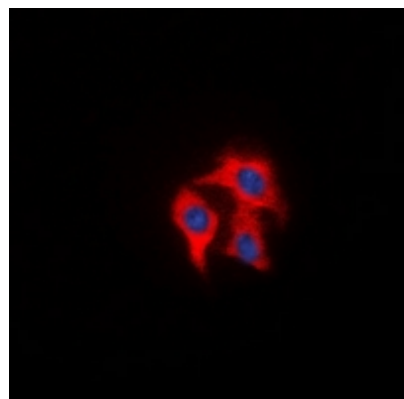
Western blot: 10 µg of Mouse brain, Rat kidney and Rat liver lysates stained with ARG66381 anti-alpha smooth muscle Actin antibody [SQab18108] at 1:2000 dilution.



ARG66701 anti-FAP / Fibroblast activation protein antibody ICC/IF  
image

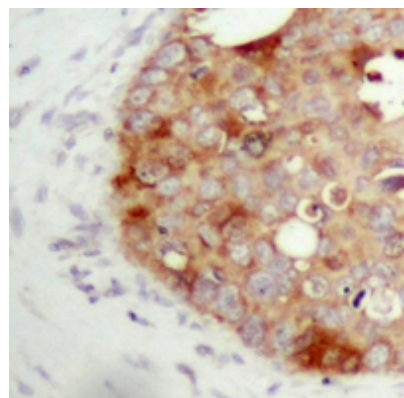
Immunofluorescence: Human MES stained with ARG66701 anti-FAP / Fibroblast activation protein antibody.

From Diana Corallo et al. J. Nanotheranostics (2025), [doi: 10.3390/jnt5040013](https://doi.org/10.3390/jnt5040013), Fig. S2 .



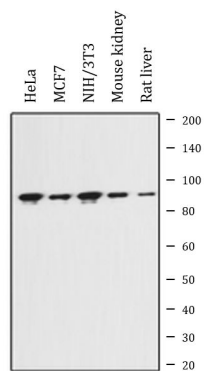
ARG66701 anti-FAP / Fibroblast activation protein antibody ICC/IF  
image

Immunofluorescence: Formalin-fixed HeLa cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were stained with ARG66701 anti-FAP / Fibroblast activation protein antibody (red) in 3% BSA-PBS and incubated overnight at 4°C. DAPI (blue) for nuclear staining.



ARG66701 anti-FAP / Fibroblast activation protein antibody IHC-P  
image

Immunohistochemistry: Formalin-fixed and paraffin-embedded Human prostate cancer tissue. Antigen Retrieval: Heat mediation was performed in Sodium citrate buffer (pH 6.0). The tissue section was stained with ARG66701 anti-FAP / Fibroblast activation protein antibody at room temperature. The section was counterstained with haematoxylin and mounted with DPX.



# ARG66701 anti-FAP / Fibroblast activation protein antibody WB image

Western blot: HeLa, MCF7, NIH/3T3, Mouse kidney and Rat liver lysates stained with ARG66701 anti-FAP / Fibroblast activation protein antibody.