ARG65724
anti-Vimentin antibody

Package: 100 µl, 50 µl
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody recognizes Vimentin
Tested Reactivity	Hu, Ms, Rat
Tested Application	FACS, ICC/IF, IHC-P, WB
Host	Mouse
Clonality	Monoclonal
Isotype	IgG
Target Name	Vimentin
Antigen Species	Human
Immunogen	KLH-conjugated synthetic peptide of Human Vimentin (NP_003371.2).
Conjugation	Un-conjugated
Alternate Names	Vimentin; CTRCT30; HEL113

Application Instructions

Application table

Application	Dilution
FACS	1:50 - 1:100
ICC/IF	1:200
IHC-P	1:200
WB	1:1000 - 1:5000

Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.
Positive Control	A549, HeLa, NIH/3T3 and Mouse embryonic stem cell
Calculated Mw	54 kDa

Properties

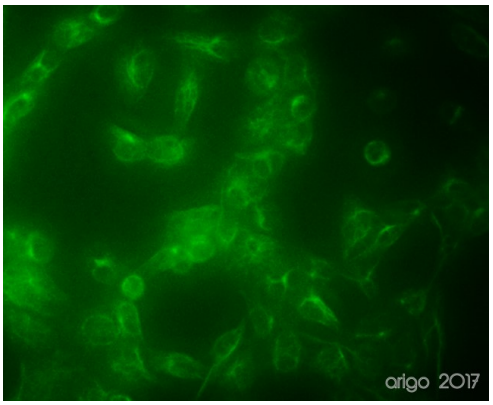
Form	Liquid
Purification	Purification with Protein A.
Buffer	1*TBS (pH 7.4), 0.05% Sodium azide, 0.5% BSA and 40% Glycerol
Preservative	0.05% Sodium azide
Stabilizer	0.5% BSA, 40% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. 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

Gene Symbol	VIM
Gene Full Name	vimentin
Background	Vimentin is a type III intermediate filament protein. Intermediate filaments, along with microtubules and actin microfilaments, make up the cytoskeleton. The encoded protein is responsible for maintaining cell shape and integrity of the cytoplasm, and stabilizing cytoskeletal interactions. This protein is involved in neuritogenesis and cholesterol transport and functions as an organizer of a number of other critical proteins involved in cell attachment, migration, and signaling. Bacterial and viral pathogens have been shown to attach to this protein on the host cell surface. Mutations in this gene are associated with congenital cataracts in human patients. [provided by RefSeq, Aug 2017]
Function	Vimentins are class-III intermediate filaments found in various non-epithelial cells, especially mesenchymal cells. Vimentin is attached to the nucleus, endoplasmic reticulum, and mitochondria, either laterally or terminally. Involved with LARP6 in the stabilization of type I collagen mRNAs for CO1A1 and CO1A2. [UniProt]
Highlight	Related products: Vimentin antibodies; Vimentin Duos / Panels; Anti-Mouse IgG secondary antibodies; Related news: New antibody panels and duos for Tumor immune microenvironment
Research Area	Cancer antibody; Controls and Markers antibody; Developmental Biology antibody; Neuroscience antibody; Signaling Transduction antibody; Cancer-associated fibroblast antibody; CAF Marker antibody; EMT Study antibody; Mesenchymal Markers antibody; Fibroblast Marker antibody; Muller Cell Marker antibody; Sarcoma Marker antibody

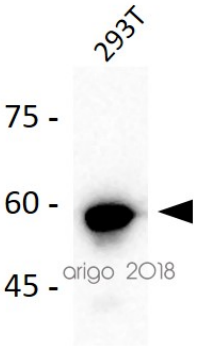
Images



ARG65724 anti-Vimentin antibody ICC/IF image

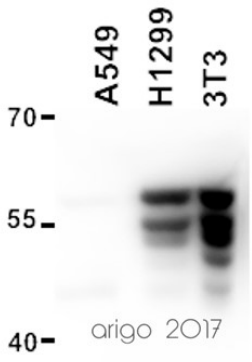
Immunofluorescence: 100% Methanol fixed (RT, 10 min) HeLa cells stained with ARG65724 anti-Vimentin antibody (green) at 1:200 dilution.

Secondary antibody: ARG55393 Goat anti-Mouse IgG (H+L) antibody (FITC)



ARG65724 anti-Vimentin antibody WB image

Western blot: 20 µg of 293T cell lysate stained with ARG65724 anti-Vimentin antibody at 1:2000 dilution.



ARG65724 anti-Vimentin antibody WB image

Western blot: 30 µg of A549, H1299 and 3T3 cell lysates stained with ARG65724 anti-Vimentin antibody at 1:2000 dilution.