

ARG63779 anti-IRAK4 antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes IRAK4
Tested Reactivity	Hu
Predict Reactivity	Ms
Tested Application	FACS, ICC/IF, IHC-P, WB
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	IRAK4
Species	Human
Immunogen	NKPITPSTYVRC
Conjugation	Un-conjugated
Alternate Names	REN64; Renal carcinoma antigen NY-REN-64; NY-REN-64; Interleukin-1 receptor-associated kinase 4; EC 2.7.11.1; IRAK-4; IPD1

Application Instructions

Application table	Application	Dilution
	FACS	10 µg/ml
	ICC/IF	10 µg/ml
	IHC-P	3 - 5 µg/ml
	WB	0.5 - 2 µg/ml
Application Note	WB: Recommend incubate at RT for 1h. IHC-P: Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

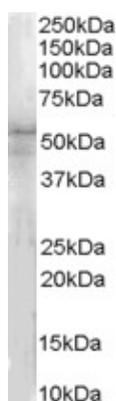
Form	Liquid
Purification	Purified from goat serum by antigen affinity chromatography.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml

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

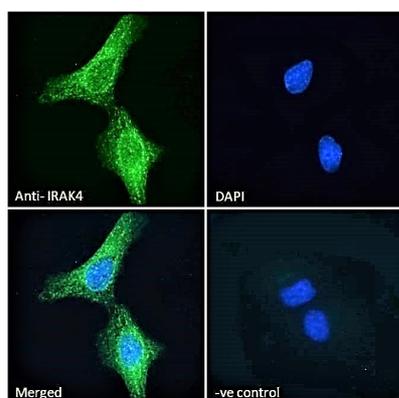
Database links	GeneID: 51135 Human Swiss-port # Q9NWZ3 Human
Background	This gene encodes a kinase that activates NF-kappaB in both the Toll-like receptor (TLR) and T-cell receptor (TCR) signaling pathways. The protein is essential for most innate immune responses. Mutations in this gene result in IRAK4 deficiency and recurrent invasive pneumococcal disease. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Aug 2011]
Research Area	Cell Biology and Cellular Response antibody; Immune System antibody; Signaling Transduction antibody
Calculated Mw	52 kDa
PTM	Phosphorylated.

Images



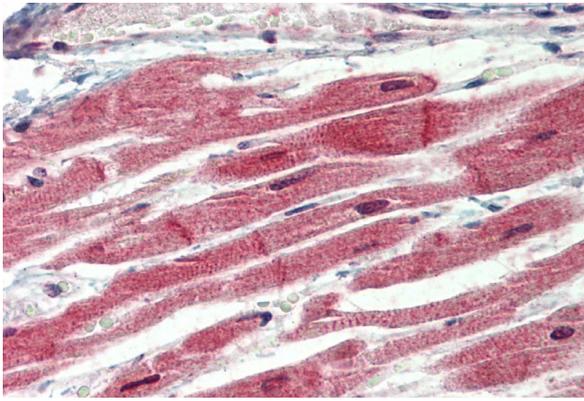
ARG63779 anti-IRAK4 antibody WB image

Western Blot: HeLa lysate (35 µg protein in RIPA buffer) stained with ARG63779 anti-IRAK4 antibody at 1 µg/ml dilution.



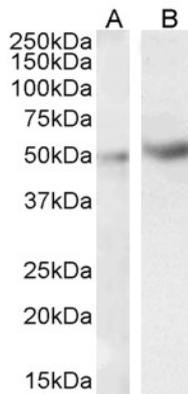
ARG63779 anti-IRAK4 antibody ICC/IF image

Immunofluorescence: Paraformaldehyde fixed HeLa cells permeabilized with 0.15% Triton. Cells were stained with ARG63779 anti-IRAK4 antibody (green) at 10 µg/ml dilution for 1 hour. DAPI (blue) for nuclear staining. Negative control: Unimmunized goat IgG (green) at 10 µg/ml dilution.



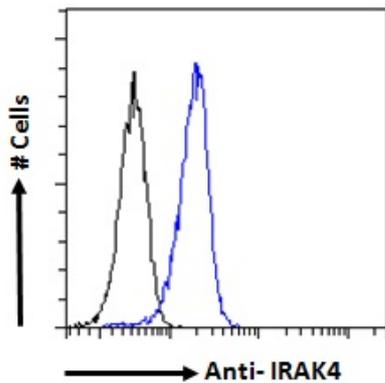
ARG63779 anti-IRAK4 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human heart tissue. Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). The tissue section was stained with ARG63779 anti-IRAK4 antibody at 3.75 $\mu\text{g}/\text{ml}$ dilution followed by AP-staining.



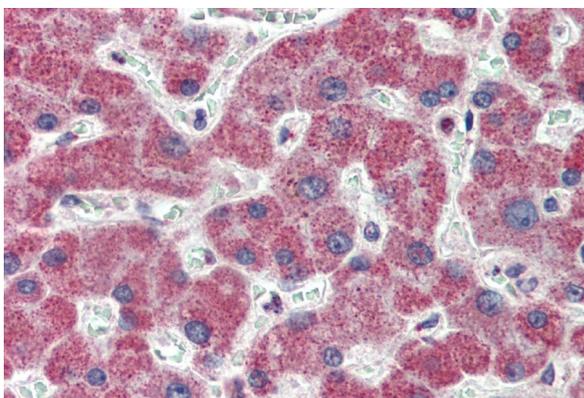
ARG63779 anti-IRAK4 antibody WB image

Western blot: 35 μg of HeLa (A) and Jurkat (B) cell lysates (in RIPA buffer) stained with ARG63779 anti-IRAK4 antibody at 1 $\mu\text{g}/\text{ml}$ dilution and incubated at RT for 1 hour.



ARG63779 anti-IRAK4 antibody FACS image

Flow Cytometry: Paraformaldehyde-fixed HeLa cells permeabilized with 0.5% Triton. Cells were stained with ARG63779 anti-IRAK4 antibody (blue line) at 10 $\mu\text{g}/\text{ml}$ dilution for 1 hour, followed by incubation with Alexa FluorR 488 labelled secondary antibody. IgG control: Unimmunized goat IgG (black line).



ARG63779 anti-IRAK4 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human liver tissue. Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). The tissue section was stained with ARG63779 anti-IRAK4 antibody at 3.75 $\mu\text{g}/\text{ml}$ dilution followed by AP-staining.