

Rabbit anti-Human, Mouse IRAK4 / IRAK-4 Polyclonal Antibody | anti-IRAK4 antibody

Rabbit Polyclonal (IgG) to Mouse IRAK4 / IRAK-4

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA50848	Rabbit	Human, Mouse	Western Blot, Immunohistochemistry

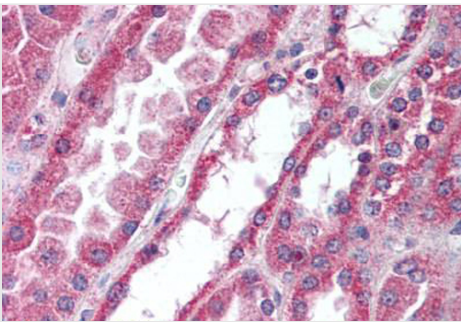
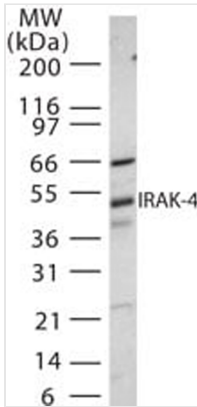
PRODUCT SYNONYMS

IRAK4 / IRAK-4; Polyclonal Antibody; Rabbit Polyclonal (IgG) to Mouse IRAK4 / IRAK-4; Anti-IRAK4 / IRAK-4 Antibody (aa38-54) IHC-plus; IRAK4; IPD1; IRAK-4; NY-REN-64; REN64; Mouse IRAK4; anti-IRAK4 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	A mixture of synthetic peptides containing amino acids 38-54 and 120-136 of mouse IRAK-4.
Purity/Purification	Protein G Purified
Form/Format	PBS, 0.05% BSA, 0.05% sodium azide.
Concentration	1 mg/ml (varies by lot)
Sequence Length	460
Applicable Applications for anti-IRAK4 antibody	WB (Western Blot), IHC (Immunohistochemistry)
Target Species	Mouse
Immunogen Description	Synthetic peptide from mouse IRAK4.
Immunogen Type	Synthetic peptide
Immunogen	IRAK4 / IRAK-4 antibody was raised against synthetic peptide from mouse IRAK4.
Antigen Modification	aa38-54
Preparation and Storage	Short term 4 degree C, long term aliquot and store at -20 degree C, avoid freeze thaw cycles.

IMAGES



IHC (Immunohistochemistry)
Anti-IRAK4 antibody IHC of human kidney. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 10 ug/ml.

WB (Western Blot)
Western blot of IRAK-4 in 30 ugs of NIH 3T3 cell lysate using antibody at 1:500 dilution.

ADDITIONAL INFORMATION

Related Product Information for anti-IRAK4 antibody	IRAK4, an IRAK type protein kinase, is a signal transducer for the immune response Toll-like receptor and interleukin-1 (IL-1) receptor signaling cascades. IRAK4 has auto- and cross-phosphorylation kinase activity and has been shown to phosphorylate and activate IRAK1. Additionally, IRAK4 interacts with IRAK1 and TRAF6 in an IL-1-dependent manner, and overexpression of IRAK4 can activate NF-kappaB as well as mitogen-activated protein (MAP) kinase pathways.
Product Categories/Family for anti-IRAK4 antibody	Family: Protein Kinase; Subfamily: IRAK (Pelle)

NCBI AND UNIPROT INFORMATION

NCBI GI #	166795293
NCBI GeneID	51135
NCBI Accession #	NP_057207.2
NCBI GenBank Nucleotide #	NM_016123.3
UniProt Accession #	Q9NWX3; Q69FE1; Q8TDF7; Q9Y589
Molecular Weight	37,674 Da
NCBI Official Full Name	interleukin-1 receptor-associated kinase 4 isoform a
NCBI Official Synonym Full Names	interleukin-1 receptor-associated kinase 4
NCBI Official Symbol	IRAK4
NCBI Official Synonym Symbols	IPD1; REN64; IRAK-4; NY-REN-64
NCBI Protein Information	interleukin-1 receptor-associated kinase 4; renal carcinoma antigen NY-REN-64
UniProt Protein Name	Interleukin-1 receptor-associated kinase 4
UniProt Gene Name	IRAK4
UniProt Synonym Gene Names	IRAK-4
UniProt Entry Name	IRAK4_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

