

Rabbit anti-Human, Mouse IRAK2 Polyclonal Antibody | anti-IRAK2 antibody

IRAK2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA304659	Rabbit	Human, Mouse	Immunocytochemistry, Western Blot, ELISA

PRODUCT SYNONYMS

IRAK2; Polyclonal Antibody; IRAK2 Antibody; mIRAK2; anti-IRAK2 antibody

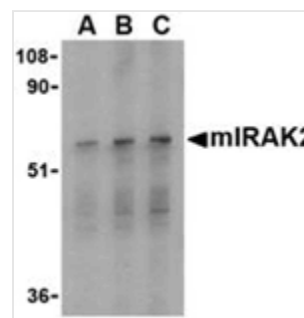
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Specificity	Anti-IRAK2 has no cross response to IRAK. Anti-IRAK2 will also recognize human IRAK2.
Purity/Purification	Affinity chromatography purified via peptide column
Form/Format	Supplied in PBS containing 0.02% sodium azide.
Sequence Length	622
Applicable Applications for anti-IRAK2 antibody	ICC (Immunocytochemistry), WB (Western Blot), ELISA
Immunogen Type	Peptide
Immunogen Description	Raised against a peptide corresponding to 17 amino acids near the carboxy terminus of mouse IRAK2a which is common to all four isoforms.
Target Name	IRAK2
Preparation and Storage	Can be stored at -20 degree C, stable for one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

IMAGES


ICC (Immunocytochemistry)

Immunocytochemistry of IRAK2 in A-20 cells with IRAK2 antibody at 1 ug/mL.


WB (Western Blot)

Western blot analysis of IRAK2 in RAW264.7 whole cell lysate with mIRAK2 antibody at (A) 0.5, (B) 1, and (C) 2 ug/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-IRAK2 antibody	The pro-inflammatory cytokine IL-1 induces cellular response through two subunits of its receptor, IL-1 receptor I (IL-1RI) and IL-1 receptor accessory protein (IL-1RAcP). IL-1 receptor-associated kinase (IRAK) mediates activation of NF-κB, which is a pivotal transcription factor mediating inflammatory and immune response. A novel member in the IRAK/Pelle family has been identified and designated IRAK2. Both IRAK and IRAK2 recruit to the subunits of the IL-1R complex after IL-1 binding and lead to NF-κB activation. IRAKs also associate with Toll like receptor (TLR) and the dominant negative mutants of IRAKs inhibit LPS-induced NF- B activation. Members in IRAK/Pelle family play a central role in IL-1R and TLR mediated inflammatory response. Unlike human IRAK2, murine IRAK2 exists as four alternately spliced isoforms (IRAK2a-d), with two isoforms (IRAK2c and d) acting in an inhibitory fashion. IRAK2 is expressed in a variety of tissues.
Product Categories/Family for anti-IRAK2 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	37725373
NCBI GeneID	108960
Molecular Weight	52,463 Da
NCBI Official Full Name	interleukin-1 receptor-associated kinase 2a
NCBI Official Synonym Full Names	interleukin-1 receptor-associated kinase 2
NCBI Official Symbol	Irak2
NCBI Official Synonym Symbols	IRAK-2; AI649099; 6330415L08Rik
NCBI Protein Information	interleukin-1 receptor-associated kinase-like 2
UniProt Protein Name	Interleukin-1 receptor-associated kinase-like 2
UniProt Gene Name	Irak2
UniProt Synonym Gene Names	IRAK-2; mu-IRAK-2
UniProt Entry Name	IRAK2_MOUSE

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.