IRAK2 Antibody

Catalog No: #24344

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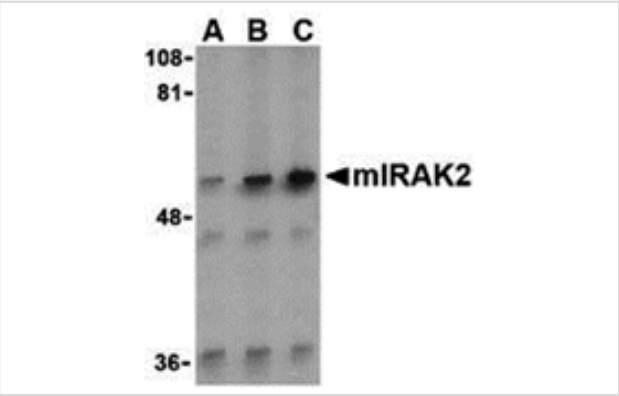
Description

Product Name	IRAK2 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Affinity chromatography purified via peptide column
Applications	ELISA WB
Species Reactivity	Ms
Specificity	Anti-IRAK2 has no cross response to IRAK.
Immunogen Type	Peptide
Immunogen Description	Raised against a peptide corresponding to 16 amino acids near the carboxy terminus of mouse IRAK2a which is common to all four isoforms.
Target Name	IRAK2
Other Names	mIRAK2
Accession No.	Swiss-Prot:Q8CFA1Gene ID:108960
Uniprot	Q8CFA1
GeneID	108960;
Concentration	1mg/ml
Formulation	Supplied in PBS containing 0.02% sodium azide.
Storage	Can be stored at -20°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



Western blot analysis of IRAK2 in A-20 whole cell lysate with IRAK2 antibody (C2) at (A) 0.5, (B) 1, and (C) 2 ug/mL.

Background

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-κB 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.

Note: This product is for in vitro research use only