

Product datasheet for **TA306017**

IRAK2 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, WB
Recommended Dilution:	WB: 0.5 ug/mL, IF: 20 ug/mL
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	IRAK2 antibody was raised against a peptide corresponding to amino acids near the carboxy terminus of human IRAK2.
Formulation:	PBS containing 0.02% sodium azide.
Concentration:	1ug/ul
Purification:	Affinity chromatography purified via peptide column
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	interleukin 1 receptor associated kinase 2
Database Link:	AF026273 Entrez Gene 3656 Human O43187



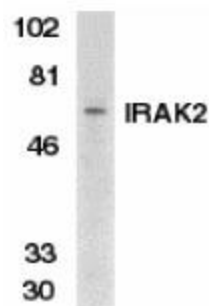
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Background:

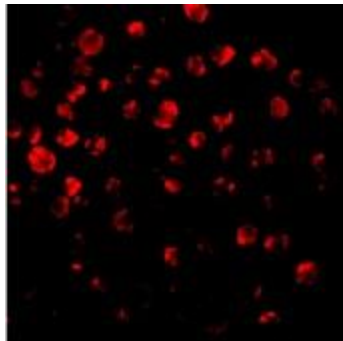
The pro-inflammatory cytokine IL-1 induces cellular response through two subunits of its receptor, IL-1 receptor I (IL-1RI) and IL-1 receptor accessory protein (IL-1RAcP). IL-1 receptor-associated kinase (IRAK) mediates activation of NF-kappaB, which is a pivotal transcription factor mediating inflammatory and immune response. A novel member in the IRAK/Pelle family was recently identified and designated IRAK2 (2). Both IRAK and IRAK2 recruit to the subunits of the IL-1R complex after IL-1 binding and lead to NF-kappaB activation. IRAKs also associate with Toll-like receptor (TLR) and the dominant negative mutants of IRAKs inhibit LPS-induced NF-kappaB activation (3,4). Members in IRAK/Pelle family play a central role in IL-1R and TLR mediated inflammatory responses to cytokine IL-1 and LPS. IRAK2 is expressed in a variety of human tissues.

Synonyms:

IRAK-2

Product images:

Western blot analysis of IRAK2 in K562 whole cell lysate with IRAK2 antibody at 1:500 dilution.



Immunofluorescence of IRAK2 in HeLa cells with IRAK antibody at 10 ug/mL.