

Product datasheet for **TA305997**

IRAK2 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, WB
Recommended Dilution:	WB: 2 ug/mL, ICC: 2 ug/mL, IF: 10 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. The immunogen is located within amino acids 530 - 580 of IRAK-2.
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

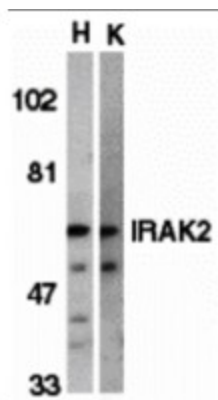
Background: The pro-inflammatory cytokine IL-1 induces cellular response through two subunits of its receptor, IL-1 receptor I (IL-1RI) and IL-1 receptor accessory protein (IL-1RAcP). IL-1 receptor-associated kinase (IRAK) mediates activation of NF-kappaB, which is a pivotal transcription factor mediating inflammatory and immune response. A novel member in the IRAK/Pelle family was recently identified and designated IRAK2. 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. Members in IRAK/Pelle family play a central role in IL-1R and TLR mediated inflammatory response. IRAK2 is expressed in a variety of human tissues.



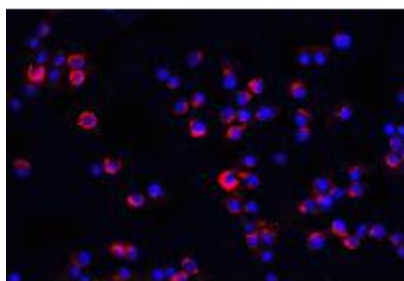
[View online »](#)

Synonyms: IRAK-2

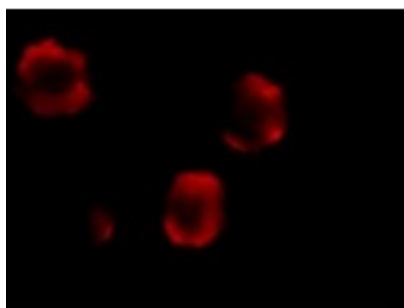
Product images:



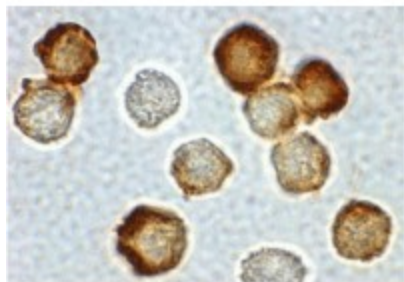
Western blot analysis of IRAK2 in HeLa (H) and K562 (K) whole cell lysate with IRAK2 antibody (C2) at 2ug/ml.



Immunofluorescence of IRAK-2 in HeLa cells with IRAK 2 antibody at 20ug/ml.



Immunofluorescence of IRAK-2 in HeLa cells with IRAK-2 antibody at 10ug/ml.



Immunocytochemical staining of HeLa cells using IRAK2 antibody at 2ug/ml.