

Product datasheet for **TA306123**

IRAK4 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, WB
Recommended Dilution:	WB: 1 - 4 ug/mL, ICC: 10 ug/mL, IF: 10 ug/mL
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	IRAK-4 antibody was raised against a synthetic peptide corresponding to amino acids at the carboxy terminus of human IRAK-4.
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 4
Database Link:	AAM15772 Entrez Gene 51135 Human Q9NWZ3

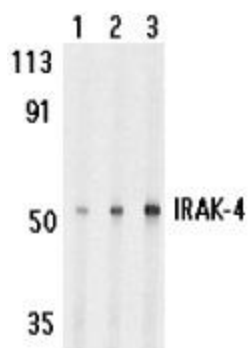
Background: Interleukin-1 (IL-1) and lipopolysaccharide (LPS) induces cellular responses through IL-1 receptor (IL-1R) and Toll-like receptors (TLR). IL-1R-associated kinases (IRAK, IRAK2, and IRAK-M) regulate the activation of NF-kappaB and MAP kinase (MAPK) by IL-1R/TLR (1-3). A novel member in the IRAK/Pelle family was recently identified and designated IRAK-4 (4,5). Overexpression of IRAK-4 activates NF-kB and MAPK pathways. IRAK-4 interacts with and phosphorylates IRAK-1. IRAK-4-deficient animals are completely resistant to the challenge with LPS. Animals and humans lacking IRAK-4 are impaired in their responses to viral and bacterial challenges (5,6). Members in IRAK/Pelle family play a central role in IL-1R/TLR mediated inflammatory responses and in innate immunity.



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Synonyms: IPD1; IRAK-4; NY-REN-64; REN64

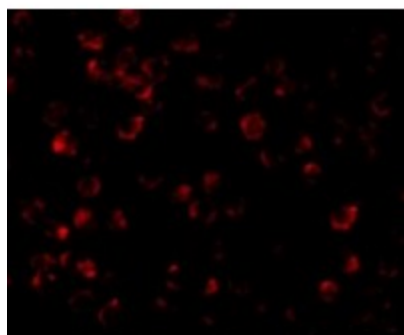
Product images:



Western blot analysis of IRAK-4 in HeLa cell lysate with IRAK-4 antibody at 1 (lane 1), 2 (lane 2), and 4 (lane 3) ug/mL, respectively.



Immunocytochemistry of IRAK-4 in K562 cells with IRAK-4 antibody at 10 ug/mL.



Immunofluorescence of IRAK-4 in K562 cells with IRAK-4 antibody at 10 ug/mL.