

Product datasheet for **TA306061**

IRAKM (IRAK3) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	WB: 1 ug/mL, IHC: 2 ug/mL, IF: 10 ug/mL
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	IRAK-M antibody was raised against a peptide corresponding to 16 amino acids near the carboxy terminus of human IRAK-M. The immunogen is located within the last 50 amino acids of IRAK-M.
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 3
Database Link:	NP_009130 Entrez Gene 73914 Mouse Entrez Gene 314870 Rat Entrez Gene 11213 Human Q9Y616

Background: Interleukin-1 (IL-1) and lipopolysaccharide (LPS) induces cellular response through IL-1 receptor (IL-1R) and Toll like receptors (TLR). IL-1 receptor-associated kinase (IRAK and IRAK2) mediates the activation of NF-betaB by IL-1/Toll receptors (1,2), which is a pivotal transcription factor mediating inflammatory and immune response. A novel member in the IRAK/Pelle family was recently identified and designated IRAK-M (3). IRAKs associate with IL-1/Toll receptors after IL-1 or LPS stimulation and the dominant negative mutants of IRAKs inhibit IL-1 or LPS induced NF-betaB activation. Members in IRAK/Pelle family play a central role in IL-1R/TLR mediated inflammatory responses to cytokine IL-1 and LPS.



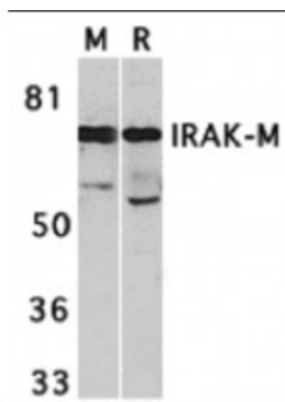
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Synonyms: ASRT5; IRAKM

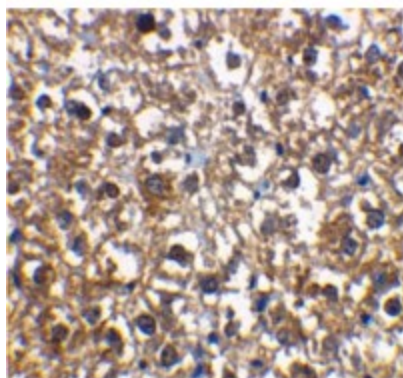
Protein Families: Druggable Genome, Protein Kinase

Protein Pathways: Apoptosis, Neurotrophin signaling pathway

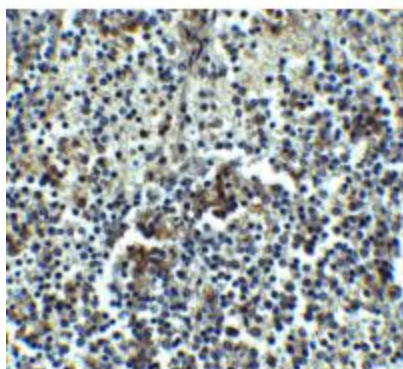
Product images:



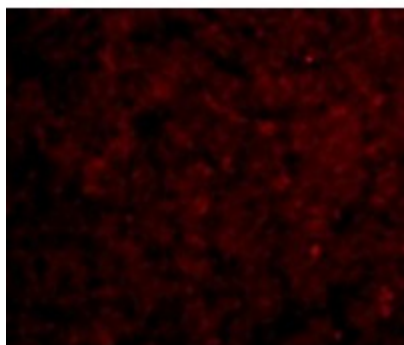
Western blot analysis of IRAK-M in (M) mouse spleen and (R) rat liver tissue lysates with IRAK-M antibody at 1ug/ml.



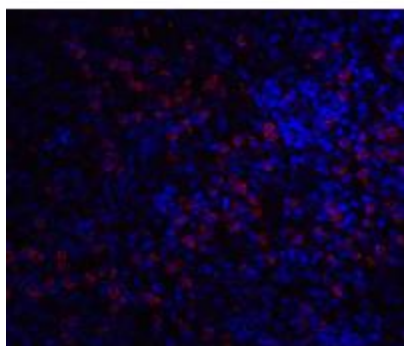
Immunohistochemical staining of rat liver tissue using IRAK-M antibody at 2ug/ml.



Immunohistochemistry of IRAK-M in human spleen tissue with IRAK-M antibody at 5ug/ml.



Immunofluorescence of IRAK-M in Rat Liver tissue with IRAK-M antibody at 10ug/ml.



Immunofluorescence of IRAK2 in A20 cells with IRAK2 antibody at 20ug/ml.