

Datasheet for ABIN500046
anti-IRAK3 antibody



[Go to Product page](#)

2 Images

Overview

Quantity:	0.1 mg
Target:	IRAK3
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This IRAK3 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	Human IRAK-M Peptide
Isotype:	IgG
Specificity:	IRAK-M antibody was raised against a peptide corresponding to amino acids from the carboxy terminus of human IRAK-M. IRAK-M antibody has no cross response to IRAK or IRAK2.
Purification:	Affinity chromatography purified via peptide column

Target Details

Target:	IRAK3
Alternative Name:	IRAK3 (IRAK3 Products)
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)

Target Details

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. Synonyms: IL-1 receptor-associated kinase M, IRAK-3, IRAK-M, Interleukin-1 receptor-associated kinase 3

Gene ID: 11213

UniProt: [Q9Y616](#)

Pathways: [TLR Signaling](#), [Activation of Innate immune Response](#), [Production of Molecular Mediator of Immune Response](#), [Toll-Like Receptors Cascades](#)

Application Details

Application Notes: ELISA. Western Blot: 0.5 to 1 µg/mL. A 68 kDa major band can be detected.
Immunohistochemistry: 2 µg/mL. .
Other applications not tested.
Optimal dilutions are dependent on conditions and should be determined by the user.

Restrictions: For Research Use only

Handling

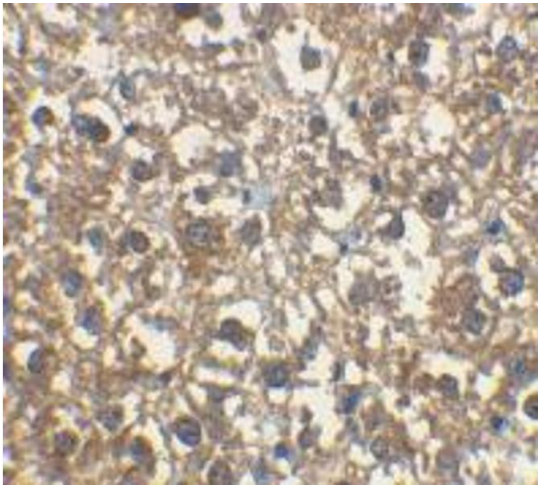
Buffer: PBS containing 0.02 % sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

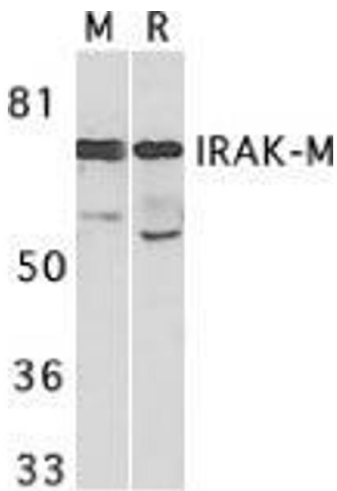
Storage: 4 °C

Storage Comment: Store the antibody undiluted at 2-8 °C.



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemical staining of rat liver cells using AP30443PU-N IRAK-M antibody at 2 µg/ml.



Western Blotting

Image 2. Western blot analysis of IRAK-M in mouse spleen (M) and rat liver (R) tissue lysates with AP30443PU-N IRAK-M antibody at 1 µg/ml.