

IRAK-M, Human pAb

Catalog No.	PX146A	Quantity:	100 µg
	PX146B		0.5 mg

Description: 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-βB 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-βB activation. Members in IRAK/Pelle family play a central role in IL-1R/TLR mediated inflammatory responses to cytokine IL-1 and LPS.

Specificity: Human IRAK-M

Host: Rabbit

Immunogen: Peptide corresponding to amino acids from the carboxy terminus of human IRAK-M.

Formulation: Liquid in PBS containing 0.02% sodium azide. Precaution: Sodium azide is a poisonous and hazardous substance which should be handled by trained staff only.

Purification: Chromatography

Cross-Reactivity: IRAK-M is human, mouse and rat reactive. It has no cross-reactivity to IRAK or IRAK2.

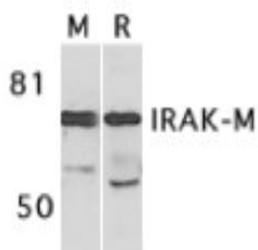
Storage & Stability: When stored at 2-4°C, product is stable for one year.

Applications: Western Blot for detection of IRAK-M: working dilution of 0.5 to 1 µg/ml. Mouse spleen or rat kidney tissue lysate can be used as a positive control and a 68 kDa major band can be detected.

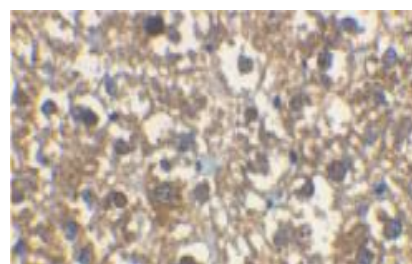
Immunohistochemistry: IRAK-M antibody can also detect IRAK-M by immunohistochemistry at 2 µg/ml. The optimal concentration should be determined by the user for each specific application.

Also available: Blocking peptide: Cat No. PX146BP
 Mouse Spleen Tissue Lysate: Catalog No. PX397A
 IRAK Antibody (CT): Catalog No. PX141A or PX141B
 IRAK-4 Antibody: Catalog No. PX234A or PX234B

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



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



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