# Rabbit anti IRAK-M Polyclonal Antibody

**Alternative Name(s): Interleukin-1 receptor-associated kinase 3; IRAK-3**

**Order Information**

- **Description:** IRAK-M
- **Catalogue:** 500-9844
- **Lot:** See label
- **Size:** 100ug/200ul
- **Host:** Rabbit
- **Clone:** nan
- **Application:** IHC(P), WB
- **Reactivity:** Hu, Ms, Rt

## ANTIGEN PREPARATION

A synthetic peptide derived from C-terminus of human IRAK-M protein was used as part of immunogen. This sequence is identical to human, mouse and rat.

## BACKGROUND

IRAK (IL-1 associated serine/threonine kinase) is a critical regulator of Interleukin-1 (IL-1) induced activation of the NFkappaB pathway. IL-1 stimulation leads to the recruitment of interleukin-1 receptor-associated kinase (IRAK) to the IL-1 receptor, where IRAK is phosphorylated, ubiquitinated, and eventually degraded. There are four members (IRAK1, IRAK2, IRAK3/IRAK-M and IRAK4). A novel member in the IRAK/Pelle family was recently identified and designated IRAK-M. 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-κB activation. Members in IRAK/Pelle family play a central role in IL-1R/TLR mediated inflammatory responses to cytokine IL-1and LPS.

## PURIFICATION

The Rabbit IgG is purified by Epitope Affinity Purification

## FORMULATION

This affinity purified antibody is supplied in sterile Phosphatebuffered saline (pH7.2) containing antibody stabilizer

## SPECIFICITY

This antibody reacts with human IRAK-M. it cross react to human, mice and rat

## STORAGE

The antibodies are stable for 24 months from date of receipt when stored at –20oC to –70oC. The antibodies can be stored at 2oC-8oC for three month without detectable loss of activity. Avoid repeated freezing-thawing cycles.

### APPLICATIONS/SUGGESTED WORKING DILUTIONS*

- Western Blot: 0.1-1 µg/ml
- ELISA: 0.01-0.1 µg/ml
- Immunoprecipitation: 2-5 µg/ml
- IHC: 2-10 µg/ml
- Flow cytometry: Not tested
- Molecular Weight: 70.0
- Positive Control: Kidney Tissue
- Cellular Location: Cell Membrane

*Optimal dilutions should be determined by researchers for the specific applications.



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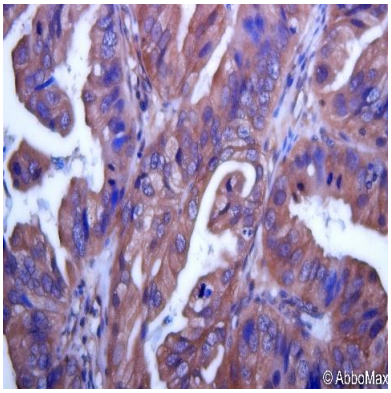
**DATA ATTACHMENTS**




Immunohistochemistry: Human lung tissue (FFPE) was immune-stained with Rabbit anti IRAK-M antibody (Cat# 500-9844) at 1:200 for 10 min @ RT. Staining of formalin-fixed tissue requires boiling tissue sections in 10 mM Citrate Buffer, pH 6.0 for 10 min followed by cooling at RT for 20 min.

**REFERENCES**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