

### Anti-IRAKM antibody ab8116

★★★★★ [3 Abreviews](#) [14 References](#) [6 图像](#)

#### 概述

产品名称	Anti-IRAKM抗体
描述	兔多克隆抗体to IRAKM
宿主	Rabbit
特异性	Anti-IRAK-M has no cross response to IRAK or IRAK2.
经测试应用	<b>适用于:</b> ICC, IHC-P, WB
种属反应性	<b>与反应:</b> Mouse, Rat
免疫原	Synthetic peptide: CSSKFSWDEYEYKKE , corresponding to C terminal amino acids 581-596 of Human IRAKM (Peptide available as <a href="#">ab6231</a> .)

 [Run BLAST with](#)

 [Run BLAST with](#)

#### 常规说明

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- $\kappa$ B by IL-1/Toll receptors (Wesche H et al.1999,Muzio M et al.1997), 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 (Cao Z et al.1996). 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- $\kappa$ B activation. Members in IRAK/Pelle family play a central role in IL-1R/TLR mediated inflammatory responses to cytokine IL-1 and LPS.

The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.

If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

#### 性能

形式	Liquid
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存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle. Stable for 12 months at -20°C.
存储溶液	pH: 7.2 Preservative: 0.02% Sodium azide
纯度	Affinity purified
纯化说明	Purified IgG prepared by ion exchange chromatography. IRAK-M Antibody is affinity chromatography purified via peptide column.
Primary antibody说明	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-κB by IL-1/Toll receptors (Wesche H et al.1999,Muzio M et al.1997), 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 (Cao Z et al.1996). 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-1 and LPS.
克隆	多克隆
同种型	IgG

应用

The Abpromise guarantee      **Abpromise™**承诺保证使用ab8116于以下的经测试应用

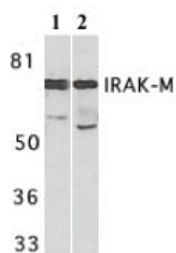
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
ICC		Use at an assay dependent concentration.
IHC-P		Use a concentration of 2 µg/ml.
WB	★★★★★ (3)	Use a concentration of 0.5 - 1 µg/ml.

靶标

功能	Inhibits dissociation of IRAK1 and IRAK4 from the Toll-like receptor signaling complex by either inhibiting the phosphorylation of IRAK1 and IRAK4 or stabilizing the receptor complex.
组织特异性	Expressed predominantly in peripheral blood lymphocytes.
疾病相关	Defects in IRAK3 are associated with susceptibility to asthma-related traits type 5 (ASRT5) [MIM:611064]. Asthma-related traits include clinical symptoms of asthma, such as coughing, wheezing, dyspnea, bronchial hyperresponsiveness as assessed by methacholine challenge test, serum IgE levels, atopy, and atopic dermatitis.
序列相似性	Belongs to the protein kinase superfamily. TKL Ser/Thr protein kinase family. Pelle subfamily. Contains 1 death domain. Contains 1 protein kinase domain.

图片



Western blot - Anti-IRAKM antibody (ab8116)

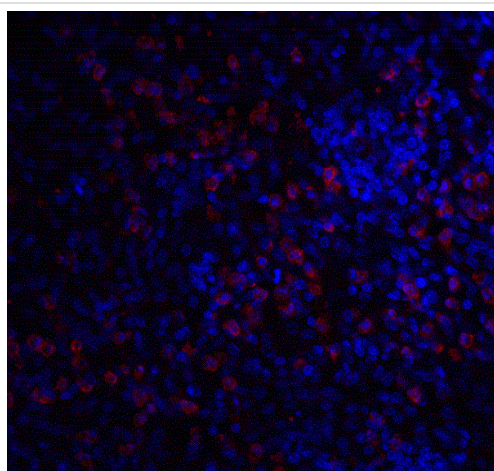
**All lanes :** Anti-IRAKM antibody (ab8116) at 1 µg/ml

**Lane 1 :** Mouse spleen tissue lysates

**Lane 2 :** Rat liver tissue lysate

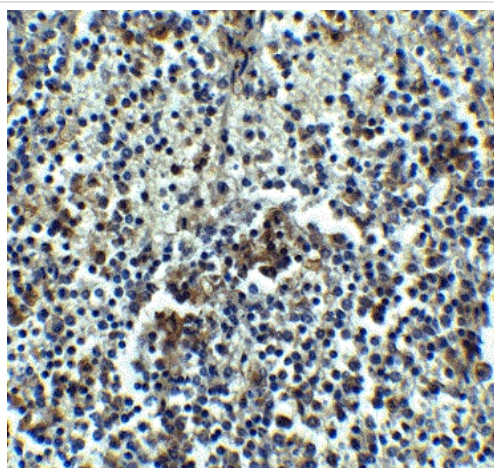
**Observed band size:** 68 kDa

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



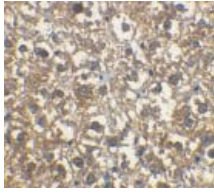
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-IRAKM antibody (ab8116)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) of A20 cells staining IRAKM with ab8116 at 20 µg/ml



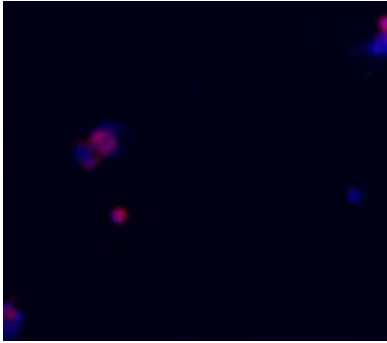
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-IRAKM antibody (ab8116)

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



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-IRAKM antibody (ab8116)

ab8116 at 2µg/ml staining IRAKM in rat liver cells by IHC



Immunocytochemistry - Anti-IRAKM antibody (ab8116)

Image from Lyn-Kew K et al, PLoS One. 2010 Jun 16;5(6):e11145, Fig 4.

ab8116 staining IRAKM in murine lung macrophages by Immunocytochemistry/ Immunofluorescence.<.br>The cells were permeabilized with a 1:1 mixture of methanol and acetone. After washing with PBS, ab8116 was applied and the cells incubated for one hour. After washing, antibodies against the primary antibody labeled with FITC were applied to the cells and incubated for one hour. The cell were then mounted in DAPI mounting media and viewed on the fluorescent microscope.

Immunocytochemistry - Anti-IRAKM antibody (ab8116)

Immunofluorescence of IRAK-M in Rat Liver cells using ab8116 at 10 ug/ml.

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