

Anti-IRAKM antibody ab8116

★★★★★ [3 Abreviews](#) [14 References](#) [画像数 6](#)

製品の概要

製品名	Anti-IRAKM antibody
製品の詳細	Rabbit polyclonal to IRAKM
由来種	Rabbit
特異性	Anti-IRAK-M has no cross response to IRAK or IRAK2.
アプリケーション	適用あり: ICC, IHC-P, WB
種交差性	交差種: Mouse, Rat
免疫原	Synthetic peptide: CSSKFSWDEYEYKKE , corresponding to C terminal amino acids 581-596 of Human IRAKM (Peptide available as ab6231 .)

 [Run BLAST with](#)

 [Run BLAST with](#)

特記事項

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.

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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

製品の特性

製品の状態	Liquid
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保存方法	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.
バッファー	pH: 7.2 Preservative: 0.02% Sodium azide
精製度	Affinity purified
特記事項 (精製)	Purified IgG prepared by ion exchange chromatography. IRAK-M Antibody is affinity chromatography purified via peptide column.
一次抗体 備考	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.
ポリクローナル	ポリクローナル
アイソタイプ	IgG

アプリケーション

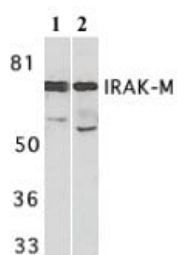
The Abpromise guarantee **Abpromise保証は、次のテスト済みアプリケーションにおけるab8116の使用に適用されます**
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アプリケーション	Abreviews	特記事項
ICC		Use at an assay dependent concentration.
IHC-P		Use a concentration of 2 µg/ml.
WB	★★★★★ (3)	Use a concentration of 0.5 - 1 µg/ml.

ターゲット情報

機能	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.
組織特異性	Expressed predominantly in peripheral blood lymphocytes.
関連疾患	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.
配列類似性	Belongs to the protein kinase superfamily. TKL Ser/Thr protein kinase family. Pelle subfamily. Contains 1 death domain. Contains 1 protein kinase domain.

画像



Western blot - Anti-IRAKM antibody (ab8116)

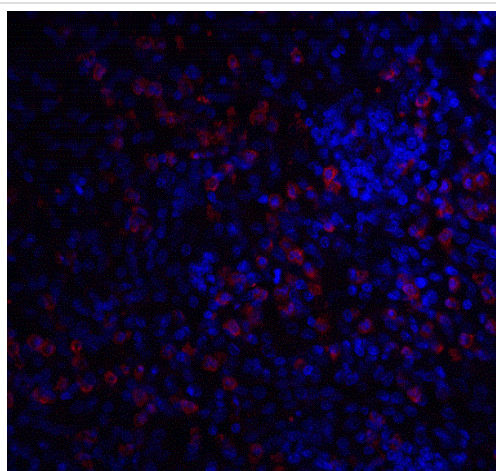
All lanes : Anti-IRAKM antibody (ab8116) at 1 µg/ml

Lane 1 : Mouse spleen tissue lysates

Lane 2 : Rat liver tissue lysate

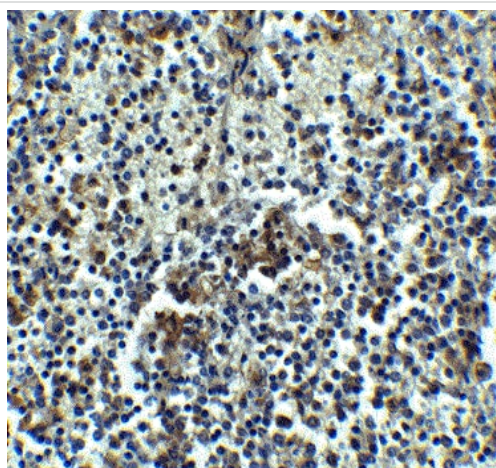
Observed band size: 68 kDa

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



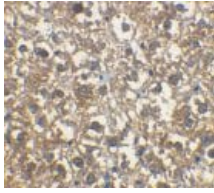
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-IRAKM antibody (ab8116)

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



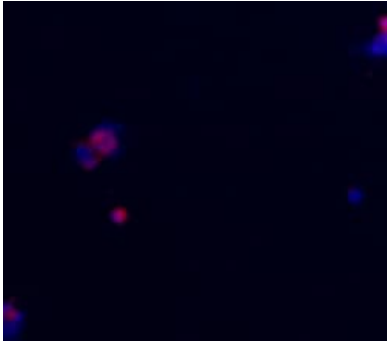
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-IRAKM antibody (ab8116)

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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