

Anti-IRAK2 antibody ab6148

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概述

产品名称	Anti-IRAK2抗体
描述	兔多克隆抗体to IRAK2
宿主	Rabbit
特异性	Anti-IRAK2 has no cross response to IRAK.
经测试应用	适用于: ICC/IF, WB
种属反应性	与反应: Human
免疫原	Synthetic peptide, corresponding to amino acids 546-564 of Human IRAK2.
常规说明	

The pro-inflammatory cytokine IL-1 induces cellular response through two subunits of its receptor, IL-1 receptor I (IL-1RI) and IL-1 receptor accessory protein (IL-1RAcP). IL-1 receptor-associated kinase (IRAK) mediates activation of NF- κ B, which is a pivotal transcription factor mediating inflammatory and immune response. A novel member in the IRAK/Pelle family was recently identified and designated IRAK2 (1). Both IRAK and IRAK2 recruit to the subunits of the IL-1R complex after IL-1 binding and lead to NF- κ B activation. IRAKs also associate with Toll-like receptor (TLR) and the dominant negative mutants of IRAKs inhibit LPS-induced NF- κ B activation (2,3). Members in IRAK/Pelle family play a central role in IL-1R and TLR mediated inflammatory response. IRAK2 is expressed in a variety of human tissues.

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
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.
存储溶液	pH: 7.2

纯度	Preservative: 0.02% Sodium azide
纯化说明	Affinity purified
Primary antibody说明	Purified IgG was prepared by affinity chromatography. The pro-inflammatory cytokine IL-1 induces cellular response through two subunits of its receptor, IL-1 receptor I (IL-1RI) and IL-1 receptor accessory protein (IL-1RAcP). IL-1 receptor-associated kinase (IRAK) mediates activation of NF- κ B, which is a pivotal transcription factor mediating inflammatory and immune response. A novel member in the IRAK/Pelle family was recently identified and designated IRAK2 (1). Both IRAK and IRAK2 recruit to the subunits of the IL-1R complex after IL-1 binding and lead to NF- κ B activation. IRAKs also associate with Toll-like receptor (TLR) and the dominant negative mutants of IRAKs inhibit LPS-induced NF- κ B activation (2,3).Members in IRAK/Pelle family play a central role in IL-1R and TLR mediated inflammatory response. IRAK2 is expressed in a variety of human tissues.
克隆	多克隆
同种型	IgG

应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab6148于以下的经测试应用

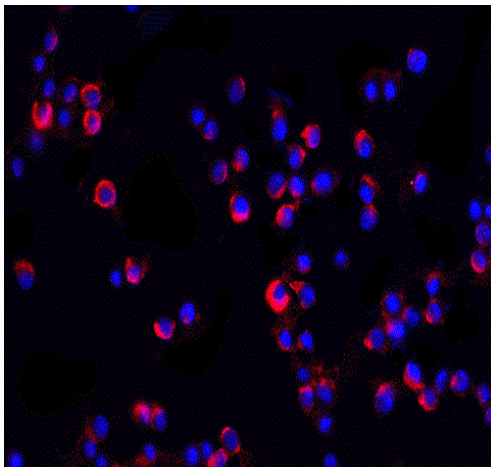
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
ICC/IF		Use a concentration of 2 μ g/ml.
WB		1/500 - 1/1000. Predicted molecular weight: 65 kDa.

靶标

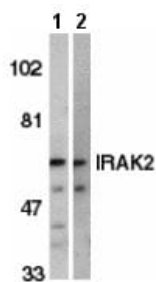
功能	Binds to the IL-1 type I receptor following IL-1 engagement, triggering intracellular signaling cascades leading to transcriptional up-regulation and mRNA stabilization.
组织特异性	Expressed in spleen, thymus, prostate, lung, liver, skeletal muscle, kidney, pancreas and peripheral blood leukocytes.
序列相似性	Belongs to the protein kinase superfamily. TKL Ser/Thr protein kinase family. Pelle subfamily. Contains 1 death domain. Contains 1 protein kinase domain.
结构域	The protein kinase domain is predicted to be catalytically inactive.

图片



Immunofluorescent analysis of HeLa cells staining IRAK2 with ab6148 at 20µg/ml

Immunocytochemistry/ Immunofluorescence - Anti-IRAK2 antibody (ab6148)



All lanes : Anti-IRAK2 antibody (ab6148) at 2 µg/ml

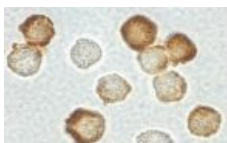
Lane 1 : HeLa whole cell lysate

Lane 2 : K562 whole cell lysate

Predicted band size: 65 kDa

Observed band size: 65 kDa

Western blot - Anti-IRAK2 antibody (ab6148)



ab6148 at 2µg/ml staining IRAK2 in HeLa cells by ICC/IF

Immunocytochemistry/ Immunofluorescence - Anti-IRAK2 antibody (ab6148)

Immunocytochemistry/ Immunofluorescence - Anti-IRAK2 antibody (ab6148)

Immunofluorescence of IRAK-2 in HeLa cells using ab6148 at 10 ug/ml.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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