Abcam

Product datasheet

Anti-MyD88 antibody ab2064

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Overview

Product name
Rabbit polyclonal to MyD88

Host species
Rabbit

Tested applications
Suitable for: WB

Species reactivity
Reacts with: Mouse, Rat, Human

Immunogen
Synthetic peptide corresponding to Human MyD88 aa 279-296 (C terminal).

Sequence:
CTKSWFWTRLAKALSLP

(Peptide available as ab7878)

Positive control
Jurkat whole cell lysate (ab7899).

General notes
MyD88 is a general adapter protein for the Toll/IL-1R family of receptors and plays an important role in the inflammatory response induced by cytokines IL-1 and IL-18 and endotoxin. MyD88 gene is expressed in many tissues.

Properties

Form
Liquid

Storage instructions
Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

Storage buffer
Preservative: 0.02% Sodium azide

Purity
Immunogen affinity purified

Clonality
Polyclonal

Isotype
IgG

Applications

Our Abpromise guarantee covers the use of ab2064 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.
Function
Adapter protein involved in the Toll-like receptor and IL-1 receptor signaling pathway in the innate immune response. Acts via IRAK1, IRAK2, IRF7 and TRAF6, leading to NF-kappa-B activation, cytokine secretion and the inflammatory response. Increases IL-8 transcription. Involved in IL-18-mediated signaling pathway.

Tissue specificity
Ubiquitous.

Involvement in disease
Defects in MYD88 are the cause of MYD88 deficiency (MYD88D) [MIM:612260]; also known as recurrent pyogenic bacterial infections due to MYD88 deficiency. Patients suffer from autosomal recessive, life-threatening, often recurrent pyogenic bacterial infections, including invasive pneumococcal disease, and die between 1 and 11 months of age. Surviving patients are otherwise healthy, with normal resistance to other microbes, and their clinical status improved with age.

Sequence similarities
Contains 1 death domain.
Contains 1 TIR domain.

Domain
The intermediate domain (ID) is required for the phosphorylation and activation of IRAK.

Cellular localization
Cytoplasm.

Images

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<th>Application</th>
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<th>Notes</th>
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<tr>
<td>WB</td>
<td><strong>3/5</strong></td>
<td>1/500 - 1/1000. Detects a band of approximately 35 kDa (predicted molecular weight: 33 kDa).</td>
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**Target**

**Function**
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Defects in MYD88 are the cause of MYD88 deficiency (MYD88D) [MIM:612260]; also known as recurrent pyogenic bacterial infections due to MYD88 deficiency. Patients suffer from autosomal recessive, life-threatening, often recurrent pyogenic bacterial infections, including invasive pneumococcal disease, and die between 1 and 11 months of age. Surviving patients are otherwise healthy, with normal resistance to other microbes, and their clinical status improved with age.

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**Domain**
The intermediate domain (ID) is required for the phosphorylation and activation of IRAK.

**Cellular localization**
Cytoplasm.
Anti-MyD88 antibody (ab2064) at 1/500 dilution + Jurkat Whole Cell Lysate

**Predicted band size:** 33 kDa  
**Observed band size:** 35 kDa

*why is the actual band size different from the predicted?*

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

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