



Product datasheet

Anti-MyD88 antibody ab2064

★★★★★ 10 Abreviews 116 References 4 Images

Overview

Product name	Anti-MyD88 antibody
Description	Rabbit polyclonal to MyD88
Host species	Rabbit
Tested applications	Suitable for: WB, ICC/IF
Species reactivity	Reacts with: Human
Immunogen	<p>Synthetic peptide corresponding to Human MyD88 aa 279-296 (C terminal). Sequence: CTKSWFWTRLAKALSLP</p> <p>(Peptide available as ab7878)</p> <p style="text-align: right;">  Run BLAST with  Run BLAST with </p>
Positive control	WB: HEK293, HT29, K562, HepG2, A549 and Jurkat whole cell lysate (ab7899). ICC/IF: Jurkat and K562 cells.
General notes	<p>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.</p> <p>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.</p> <p>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</p>

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	pH: 7.2 Preservative: 0.02% Sodium azide

Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee 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.

Application	Abreviews	Notes
WB	★★★★★ (9)	1/500 - 1/1000. Detects a band of approximately 35 kDa (predicted molecular weight: 33 kDa).
ICC/IF		Use a concentration of 20 µg/ml.

Target

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.

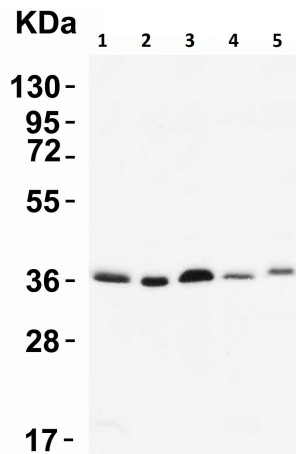
Involvement in disease Defects in MYD88 are the cause of MYD88 deficiency (MYD88D) [MIM:612260]; also known as recurrent pyogenic bacterial infections due to MYD88 deficiency. Patients suffer from autosomal recessive, life-threatening, often recurrent pyogenic bacterial infections, including invasive 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



Western blot - Anti-MyD88 antibody (ab2064)

All lanes : Anti-MyD88 antibody (ab2064) at 2 µg/ml

Lane 1 : HEK293 cell lysate

Lane 2 : HepG2 cell lysate

Lane 3 : K562 cell lysate

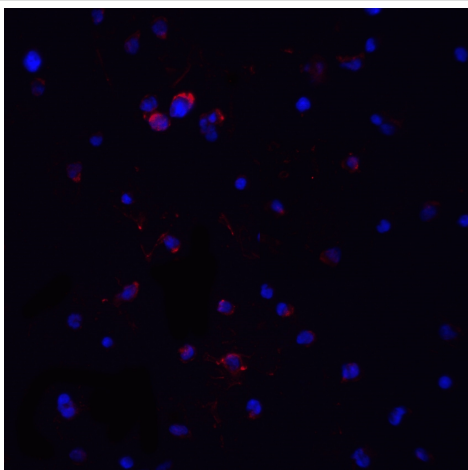
Lane 4 : HT29 cell lysate

Lysates/proteins at 15 µg per lane.

Secondary

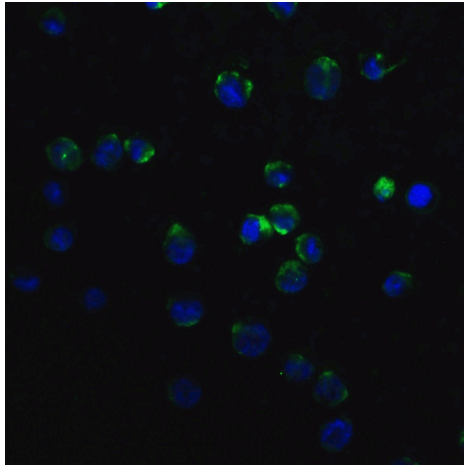
All lanes : Goat anti-rabbit IgG HRP conjugate at 1/10000 dilution

Predicted band size: 33 kDa



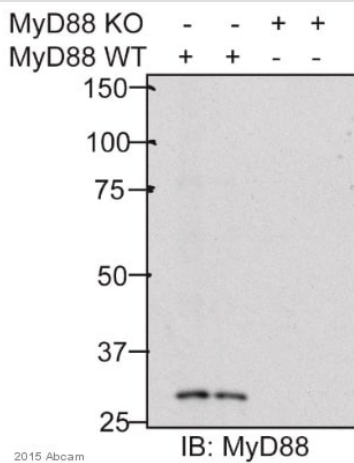
Immunocytochemistry/ Immunofluorescence - Anti-MyD88 antibody (ab2064)

Immunocytochemistry/ Immunofluorescence analysis of 4% paraformaldehyde fixed Jurkat cells labeling MyD88 with ab2064 at 20 µg/mL, followed by goat anti-rabbit IgG secondary antibody at 1/500 dilution (green) and DAPI staining (blue).



Immunocytochemistry/ Immunofluorescence - Anti-MyD88 antibody (ab2064)

Immunocytochemistry/ Immunofluorescence analysis of 4% paraformaldehyde fixed K562 cells labeling MyD88 with ab2064 at 20 µg/mL, followed by goat anti-rabbit IgG secondary antibody at 1/500 dilution (green) and DAPI staining (blue).



Western blot - Anti-MyD88 antibody (ab2064)
This image is courtesy of an anonymous Abreview

All lanes : Anti-MyD88 antibody (ab2064) at 1 µg/ml

Lanes 1-2 : Wild type MEFs whole cell lysate

Lanes 3-4 : MyD88 knockout MEFs whole cell lysate

Secondary

All lanes : HRP-conjugated goat anti-rabbit IgG polyclonal at 1/10000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

Predicted band size: 33 kDa

Observed band size: 33 kDa

Exposure time: 15 seconds

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