

Product datasheet

Anti-MyD88 antibody ab2064

敲除 验证

★★★★★ [10 Abreviews](#) [137 References](#) [7 图像](#)

概述

产品名称	Anti-MyD88抗体
描述	兔多克隆抗体to MyD88
宿主	Rabbit
经测试应用	适用于: WB, ICC/IF
种属反应性	与反应: Human
免疫原	Synthetic peptide corresponding to Human MyD88 aa 250-350 (C terminal). Run BLAST with ExpASY Run BLAST with NCBI
阳性对照	WB: HEK293, HT29, K562, HepG2, A549 and Jurkat whole cell lysate (ab7899). ICC/IF: HeLa, Jurkat and K562 cells.
常规说明	<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>

性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
存储溶液	pH: 7.2 Preservative: 0.02% Sodium azide
纯度	Immunogen affinity purified
克隆	多克隆

应用

The Abpromise guarantee **Abpromise™** 承诺保证使用ab2064于以下的经测试应用

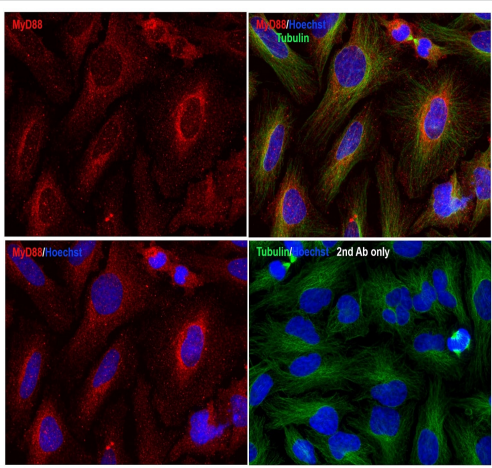
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
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.

靶标

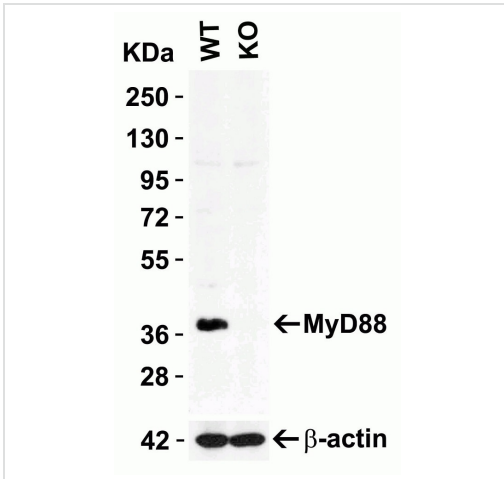
功能	Adapter protein involved in the Toll-like receptor and IL-1 receptor signaling pathway in the innate immune response. Acts via IRAK1, IRAK2, IRF7 and TRAF6, leading to NF-kappa-B activation, cytokine secretion and the inflammatory response. Increases IL-8 transcription. Involved in IL-18-mediated signaling pathway.
组织特异性	Ubiquitous.
疾病相关	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.
序列相似性	Contains 1 death domain. Contains 1 TIR domain.
结构域	The intermediate domain (ID) is required for the phosphorylation and activation of IRAK.
细胞定位	Cytoplasm.

图片



Immunocytochemistry/ Immunofluorescence - Anti-MyD88 antibody (ab2064)

Immunofluorescent analysis of methanol-fixed HeLa cells labeling MyD88 with ab2064 at 20 µg/mL, followed by goat anti-rabbit IgG secondary antibody at 1/1000 dilution (red) and Hoechst staining (blue). Alpha tubulin was stained with anti-alpha tubulin antibody following by goat anti-mouse IgG secondary antibody (green).



Western blot - Anti-MyD88 antibody (ab2064)

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

Lane 1 : HeLa WT cell lysate

Lane 2 : MyD88 KO HeLa cell lysate

Lysates/proteins at 10 µg per lane.

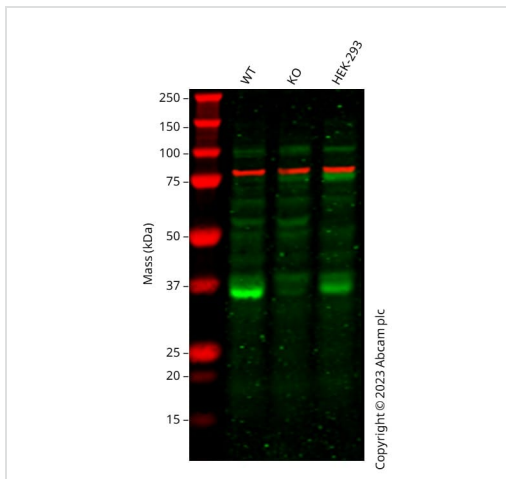
Secondary

All lanes : Goat Anti-Rabbit IgG HRP conjugate at 1/10000 dilution

Predicted band size: 33 kDa

1 h incubation at RT in 5% NFDm/TBST.

beta-actin was used as a loading control at 1 µg/mL.



Western blot - Anti-MyD88 antibody (ab2064)

All lanes : Anti-MyD88 antibody (ab2064) at 1/1000 dilution

Lane 1 : Wild-type A549 cell lysate

Lane 2 : MYD88 knockout A549 cell lysate

Lane 3 : HEK-293 cell lysate

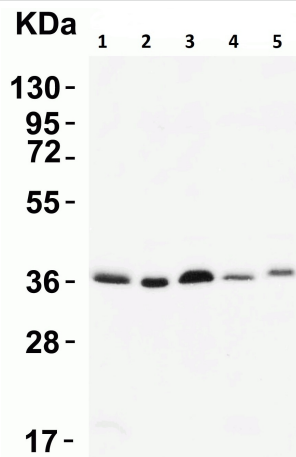
Lysates/proteins at 20 µg per lane.

Performed under reducing conditions.

Predicted band size: 33 kDa

Observed band size: 35 kDa

Western blot: Anti-MYD88 antibody (ab2064) staining at 1/1000 dilution, shown in green; Mouse anti-CANX [CANX/1543] ([ab238078](#)) loading control staining at 1/20000 dilution, shown in red. In Western blot, ab2064 was shown to bind specifically to MYD88. A band was observed at 35 kDa in wild-type A549 cell lysates with no signal observed at this size in MYD88 knockout cell line [ab286715](#) (knockout cell lysate [ab290793](#)). To generate this image, wild-type and MYD88 knockout A549 cell lysates were analysed. First, samples were run on an SDS-PAGE gel then transferred onto a nitrocellulose membrane. Membranes were blocked in 5% milk in TBS-0.1% Tween® 20 (TBS-T) before incubation with primary antibodies overnight at 4°C. Blots were washed four times in TBS-T, incubated with secondary antibodies for 1 h at room temperature, washed again four times then imaged. Secondary antibodies used were Goat anti-Rabbit IgG H&L 800CW and Goat anti-Mouse IgG H&L 680RD at 1/20000 dilution.



Western blot - Anti-MyD88 antibody (ab2064)

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

Lane 1 : A549 cell lysate

Lane 2 : HepG2 cell lysate

Lane 3 : K562 cell lysate

Lane 4 : HT29 cell lysate

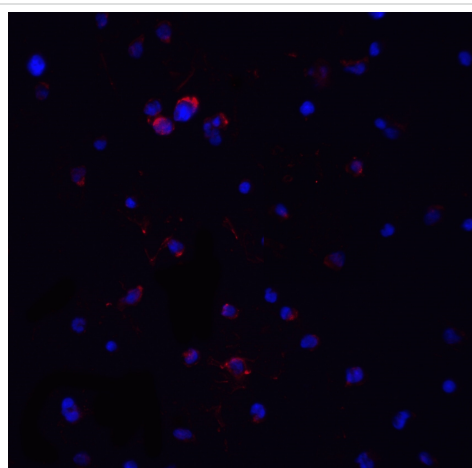
Lane 5 : HEK293 cell lysate

Lysates/proteins at 15 µg per lane.

Secondary

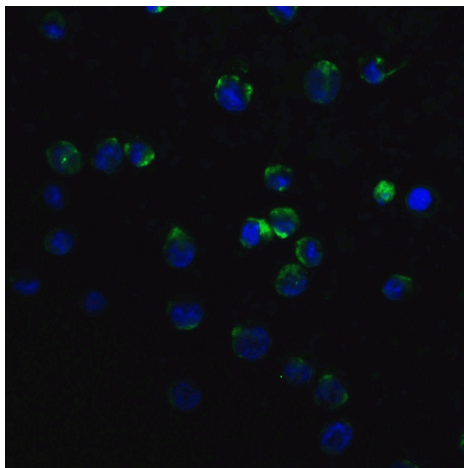
All lanes : Goat anti-rabbit IgG HRP conjugate at 1/10000 dilution

Predicted band size: 33 kDa



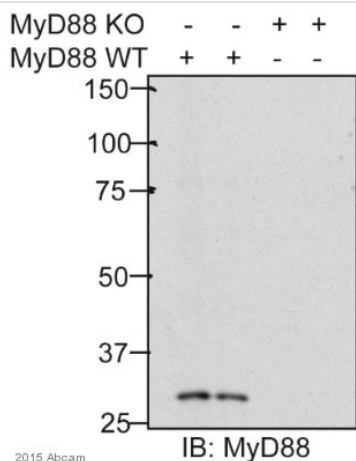
Immunocytochemistry/ Immunofluorescence - Anti-MyD88 antibody (ab2064)

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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