

Rabbit MYD88 Polyclonal Antibody | anti-MYD88 antibody

MYD88 Antibody

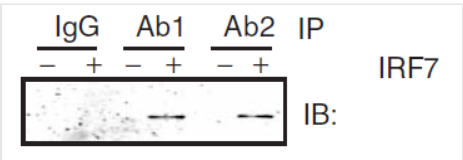
CATALOG # AAA10944	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS ELISA, Western Blot
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PRODUCT SYNONYMS

MYD88; Polyclonal Antibody; MYD88 Antibody; MYD88D; myeloid differentiation primary response gene (88); anti-MYD88 antibody

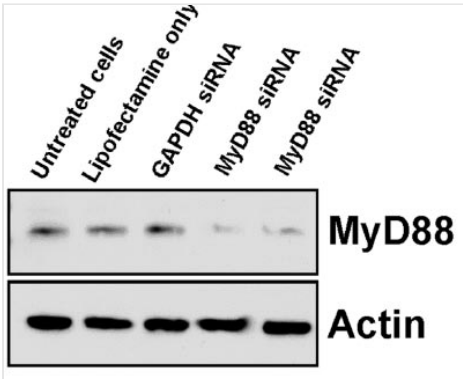
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	MYD88 Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	2682
Applicable Applications for anti-MYD88 antibody	ELISA, WB (Western Blot)
Application Notes	MYD88 antibody can be used for detection of MyD88 by Western blot 0.5 mug/mL. For immunohistochemistry use a concentration of 4 mug/mL. For immunofluorescence and immunocytochemistry use a concentration of 5 mug/mL.
Conjugate	Unconjugated
Immunogen	MD88 antibody was raised against an 18 amino acid peptide near the carboxy terminus of human MD88.
Buffer	MYD88 Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	MYD88 antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.



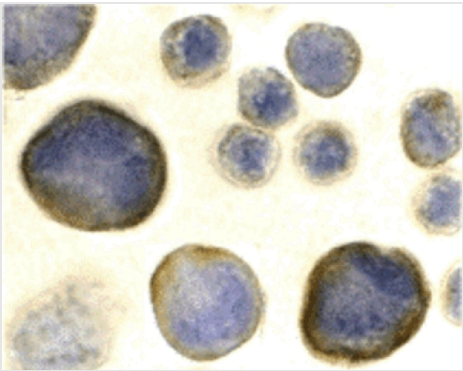
IP (Immunoprecipitation)

Figure 11 Immunoprecipitation Validation in HEK293 cells (Kawai et al., 2004)HEK293 cells were transiently transfected with DYKDDDDK-IRF7. Ccell lysates were immunoprecipitated with control rabbit anti-mouse immunoglobulin serum (IgG) or anti-MyD88 (Ab1 and Ab2), followed by immunoblotting with anti-DYKDDDDK.



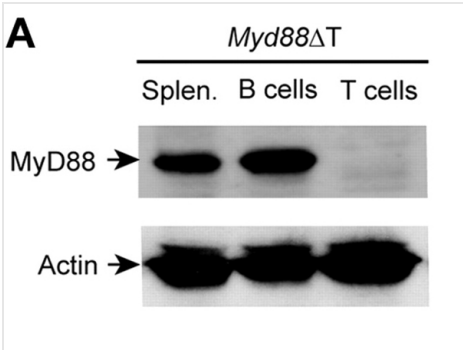
WB (Western Blot)

Figure 10 KD Validation in Raw 264.7 cells (Altmeier et al., 2007)The Transfection of RAW 264.7 cells with MyD88-specific siRNAresulted in attenuation of MyD88 protein by Western blot analysis with anti-Myd88 antibodies (2127).



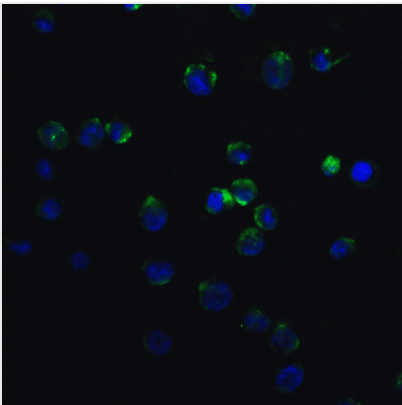
WB (Western Blot)

Figure 9 KO Validation in CD45- Thy1^+ cells (Kim et al., 2017)The expression of Myd88 protein was analyzed in CD45 Thy1^+ intestinal mesenchymal cells and CD3 $^+$ intestinalT cells, by immunoblotting with anti-Myd88 antibodies (2127). MyD88 expression was not detected in knockout cells.



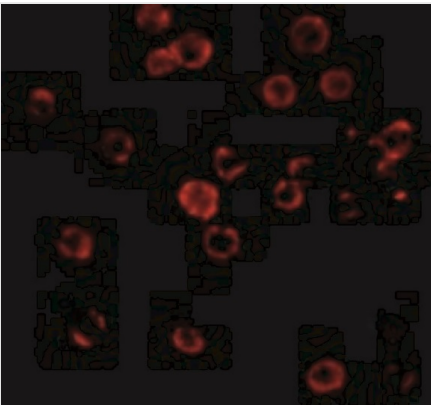
WB (Western Blot)

Figure 8 KO Validation of MyD88 in T cells (Rahman et al., 2011)Splenocytes were isolated from a Myd88ΔT mouse in which MyD88 was specifically disrupted in T cells. T and B cells were FACS purified, and MyD88 expression was examined by Western blot with anti-MyD88 antibodies (2127). MyD88 expression was detected in Splenocytes and B cells, but not in T cells.



IF (Immunofluorescence)

Figure 6 Immunofluorescence Validation of MyD88 in Jurkat CellsImmunofluorescent analysis of 4% paraformaldehyde-fixed Jurkat cells labeling MyD88 with 2127 at 20 μg/mL, followed by goat anti-rabbit IgG secondary antibody at 1/500 dilution (red) and DAPI staining (blue).



IF (Immunofluorescence)

Figure 6 Immunofluorescence Validation of MyD88Immunofluorescent analysis of 4% paraformaldehyde-fixed Jurkat cells labeling MyD88 with 2127 at 20 μg/mL, followed by goat anti-rabbit IgG secondary antibody at 1/500 dilution (red) and DAPI staining (blue).

ADDITIONAL INFORMATION

Related Product Information for anti-MYD88 antibody	MYD88 Antibody: The pro-inflammatory cytokine IL-1 induced cellular response requires IL-1 receptor complex including IL-1RI and IL-1RAcP. Recently, MyD88 was identified as an adapter molecule in the IL-1 signaling pathway. MyD88 associates with and recruits IRAK to the IL-1 receptor complex in response to IL-1 treatment and dominant negative form of MyD88 attenuates IL-1R-mediated NF-?B activation. MyD88 is also employed as a regulator molecule by IL-18 receptor and human Toll receptor, which are members in the Toll/IL-1R family of receptors. Targeted disruption of the MyD88 gene results in lose of cellular responses to IL-1 and IL-18, and MyD88-deficient mice lack responses to bacterial product LPS that employs Toll-like receptors 2 and 4 (TLR2 and TLR4) as the signaling receptors. 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	1763090
NCBI GeneID	4615
UniProt Accession #	U70451; Q99836
Molecular Weight	Aprox: 35 kDa
NCBI Official Full Name	Human myleoid differentiation primary response protein MyD88 mRNA, complete cds
NCBI Official Synonym Full Names	myeloid differentiation primary response 88
NCBI Official Symbol	MYD88
NCBI Official Synonym Symbols	MYD88D
NCBI Protein Information	myeloid differentiation primary response protein MyD88; myeloid differentiation primary response gene (88)

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/myd88-antibody-western-blot-elisa/10944>