

Product Datasheet

MyD88 Antibody - BSA Free NBP1-76465

Unit Size: 0.1 mg

Store at 4C.

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NBP1-76465

MyD88 Antibody - BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	1 mg/ml
Storage	Store at 4C.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Peptide affinity purified
Buffer	PBS
Target Molecular Weight	35 kDa

Product Description	
Description	Novus Biologicals Rabbit MyD88 Antibody - BSA Free (NBP1-76465) is a polyclonal antibody validated for use in WB, ELISA, ICC/IF and IP. Anti-MyD88 Antibody: Cited in 2 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	4615
Gene Symbol	MYD88
Species	Human, Mouse, Rat
Reactivity Notes	Immunogen displays the following percentage of sequence identity for non-tested species: Sheep: (82%), Bovine: (82%), Chicken: (82%)
Specificity/Sensitivity	Human MYD88 has 7 isoforms, including isoform 1 (317aa, 35.4kD), isoform 2 (296aa, 33.2 kD), isoform 3 (251aa, 28.3kD), isoform 4 (191aa, 20.8kD), isoform 5 (146aa, 15.8kD), isoform 6 (275aa, 31.5kD), and isoform 7 (304aa, 34.1kD). This antibody detects human isoform 1,2,3,6,7, but not isoform 4,5. Mouse MYD88 has two isoforms, including isoform 1 (296aa, 33.8kD) and isoform 2 (250aa, 28.7kD). Rat MYD88 has only one isoform identified so far (296aa, 33.9kD).
Immunogen	Antibody (2127) was raised against a peptide corresponding to 17 amino acids near carboxy terminus of human MYD88 isoform 1. The immunogen is located within the last 50 amino acids of MYD88. Amino Acid Sequence: CTKSWFWTRLAKALSLP

Product Application Details	
Applications	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation, Knockdown Validated
Recommended Dilutions	Western Blot 2 ug/ml, ELISA 1:100-1:2000, Immunocytochemistry/ Immunofluorescence 20 ug/ml, Immunoprecipitation, Knockdown Validated



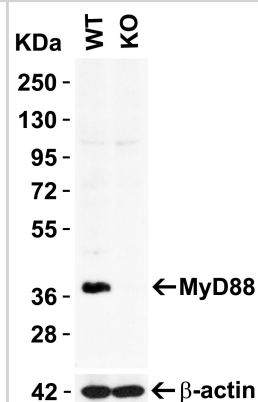
Images

Western Blot: MyD88 Antibody [NBP1-76465] - KO Validation in HeLa Cells.

Loading: 10 ug of HeLa WT cell lysate or MyD88 KO cell lysate.

Antibodies: MyD88 (2 ug/mL) and beta-actin (1 ug/mL), 1 h incubation at RT in 5% NFDN/TBST.

Secondary: Goat Anti-Rabbit IgG HRP conjugate at 1:10000 dilution.

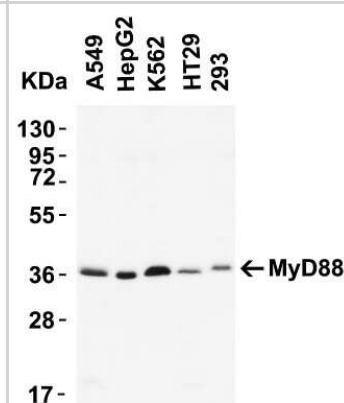


Western Blot: MyD88 Antibody [NBP1-76465] - Western Blot Validation of MyD88 in human cell lines. Loading: 15 ug of lysates per lane.

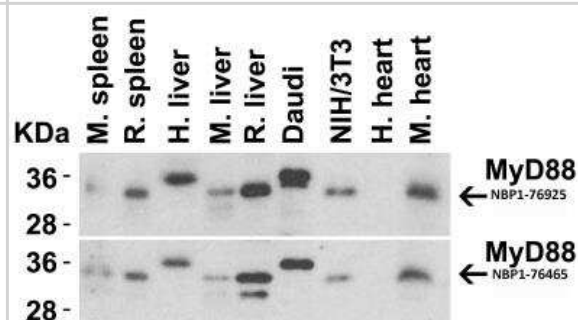
Antibodies: NBP1-76465 (2 ug/mL) 1 h incubation at RT in 5% NFDN/TBST.

Secondary: Goat anti-rabbit IgG HRP conjugate at 1:10000 dilution.

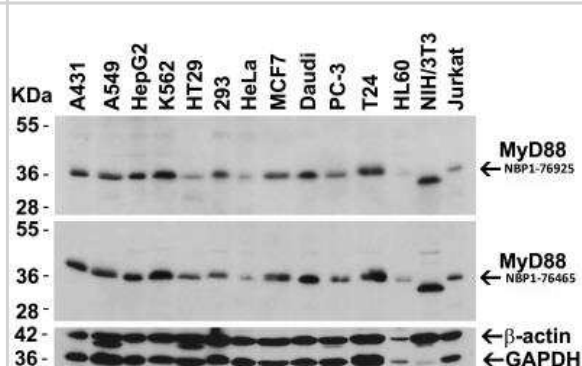
Predicted band size: 35 kDa



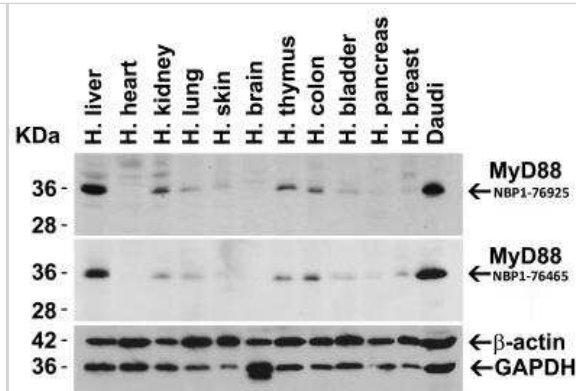
Western Blot: MyD88 Antibody [NBP1-76465] - Animal Species Reactivity Loading: Lysates/proteins at 15 ug per lane. Antibodies: NBP1-76925 (2 ug/mL) or NBP1-76465 (2 ug/mL). 1 h incubation at RT in 5% NFDN/TBST. Secondary: Goat anti-rabbit IgG HRP conjugate.



Western Blot: MyD88 Antibody [NBP1-76465] - Independent Antibody Validation (IAV) via Protein Expression Profile in Cell Lines Loading: 15 ug of lysates per lane. Antibodies: MyD88 NBP1-76925 (2 ug/mL), MyD88 NBP1-76465 (2 ug/mL), beta-actin (1 ug/mL), and GAPDH (0.02 ug/mL), 1 h incubation at RT in 5% NFDN/TBST. Secondary: Goat anti-rabbit IgG HRP conjugate.

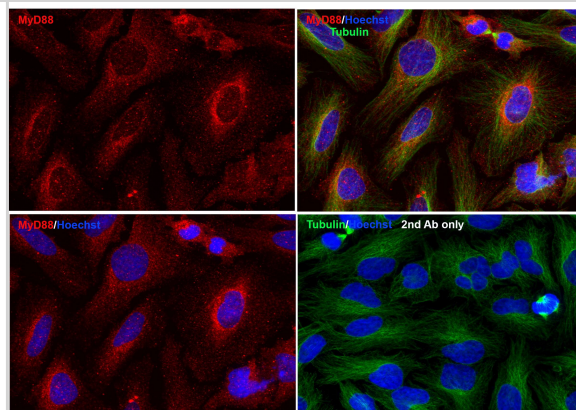


Western Blot: MyD88 Antibody [NBP1-76465] - Independent Antibody Validation (IAV) via Protein Expression Profile in Human Tissues
 Loading: 15 ug of lysates per lane. Antibodies: MyD88 NBP1-76925 (2 ug/mL), MyD88 NBP1-76465 (2 ug/mL), beta-actin (1 ug/mL), and GAPDH (0.02 ug/mL), 1 h incubation at RT in 5% NFDN/TBST.
 Secondary: Goat anti-rabbit IgG HRP conjugate.

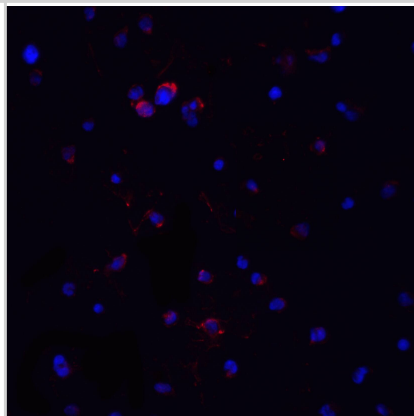


Immunocytochemistry/ Immunofluorescence: MyD88 Antibody - BSA Free [NBP1-76465] - Validation of MyD88 In HeLa Cells.

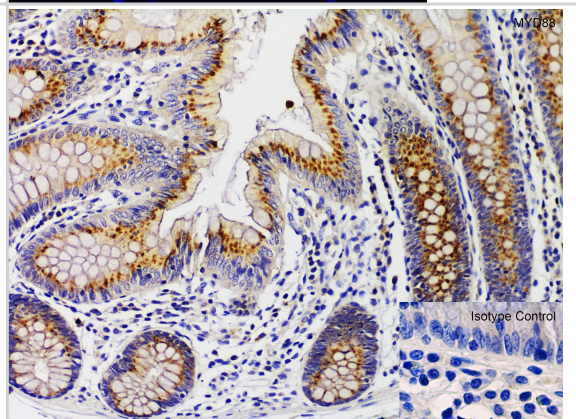
Immunofluorescent analysis of methanol-fixed HeLa cells labeling MyD88 with at 20 ug/mL, followed by goat anti-rabbit IgG secondary antibody at 1/1000 dilution (red) and Hoechst staining (blue). Alpha tubulin was stained with anti-alpha tubulin antibody following by goat anti-mouse IgG secondary antibody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



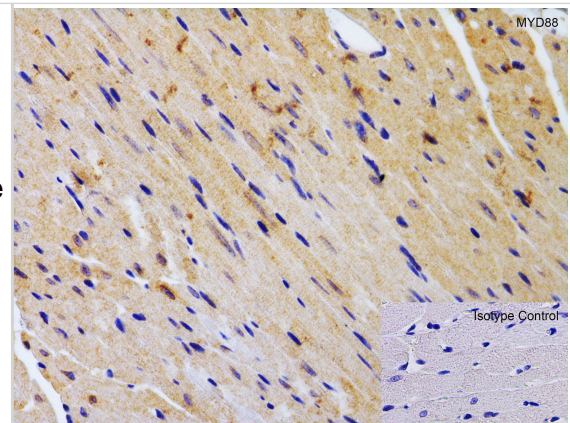
Immunocytochemistry/ Immunofluorescence: Rabbit Polyclonal MyD88 Antibody [NBP1-76465] - Immunofluorescence Validation of MyD88 in Jurkat Cells. Immunofluorescent analysis of 4% paraformaldehyde-fixed Jurkat cells labeling MyD88 at 20 ug/mL, followed by goat anti-rabbit IgG secondary antibody at 1/500 dilution (red) and DAPI staining (blue).



Immunohistochemistry: Rabbit Polyclonal MyD88 Antibody [NBP1-76465] - Immunohistochemistry Validation of MyD88 in Human Colon. Immunohistochemical analysis of paraffin-embedded human colon tissue using anti-MYD88 antibody at 1 ug/ml. Tissue was fixed with formaldehyde and blocked with 10% serum for 1 h at RT; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody overnight at 4C. A goat anti-rabbit IgG H&L (HRP) at 1/250 was used as secondary. Counter stained with Hematoxylin.



Immunohistochemistry: Rabbit Polyclonal MyD88 Antibody [NBP1-76465] - Immunohistochemistry Validation of MyD88 in Mouse Heart. Immunohistochemical analysis of paraffin-embedded mouse heart tissue using anti-MYD88 antibody at 2 ug/ml. Tissue was fixed with formaldehyde and blocked with 10% serum for 1 h at RT; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody overnight at 4C. A goat anti-rabbit IgG H&L (HRP) at 1/250 was used as secondary. Counter stained with Hematoxylin.



Publications

Famakin BM, Mou Y, Ruetzler CA et al. Disruption of downstream MyD88 or TRIF Toll-like receptor signaling does not protect against cerebral ischemia. *Brain Res.* 2011-05-04 [PMID: 21376021]

Details:

MyD88 (IMG-5499-1) WB: PC12 cell line transfected with MyD88 siRNA, Fig 1A. Note: The MyD88 antibody was siRNA validated by WB in PC12 cell line, Fig 1A.

Yoon HJ, Jeon SB, Suk K et al. Contribution of TLR2 to the initiation of ganglioside-triggered inflammatory signaling. *Mol Cells.* 2008-02-29 [PMID: 18319620] (WB)

Details:

MyD88 (IMG-5499-1). WB: BV2 cells treated with gangliosides, Fig 5.



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Products Related to NBP1-76465

NBP1-76465PEP	MyD88 Antibody Blocking Peptide
NBP2-29328	MyD88 Inhibitor Peptide Set
NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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