

Product Datasheet

MyD88 Antibody - BSA Free NBP1-76465

Unit Size: 0.1 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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NBP1-76465

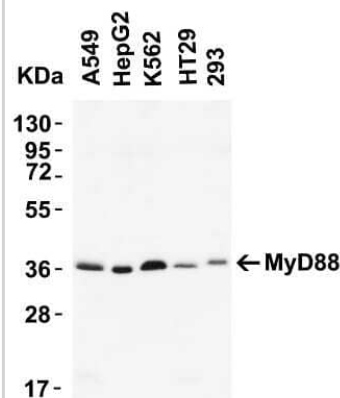
MyD88 Antibody - BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Peptide affinity purified
Buffer	PBS
Target Molecular Weight	35 kDa
Product Description	
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

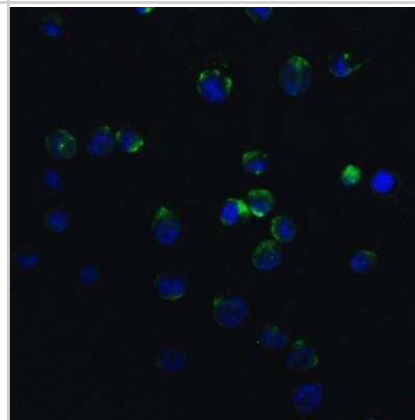


Images

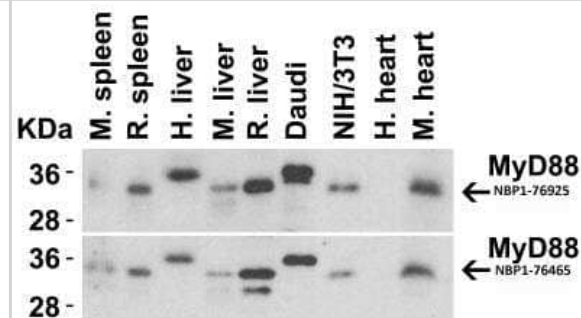
Western Blot: MyD88 Antibody [NBP1-76465] - Western Blot Validation of MyD88 in human cell lines. Loading: 15 ug of lysates per lane. Antibodies: NBP1-76465 (2 ug/mL) 1 h incubation at RT in 5% NFDN/TBST. Secondary: Goat anti-rabbit IgG HRP conjugate at 1:10000 dilution. Predicted band size: 35 kDa



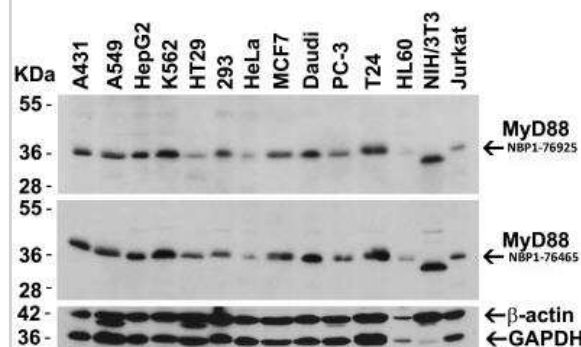
Immunocytochemistry/Immunofluorescence: MyD88 Antibody [NBP1-76465] - Immunofluorescence Validation of MyD88 in Jurkat Cells: Analysis of 4% paraformaldehyde-fixed Jurkat cells labeling MyD88 with NBP1-76465 at 20 ug/mL, followed by goat anti-rabbit IgG secondary antibody (red) and DAPI staining (blue).



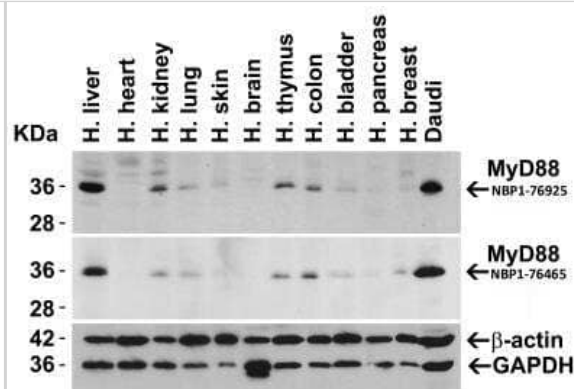
Western Blot: MyD88 Antibody [NBP1-76465] - Animal Species Reactivity Loading: Lysates/proteins at 15 ug per lane. Antibodies: NBP1-76925 (2 ug/mL) or NBP1-76465 (2 ug/mL). 1 h incubation at RT in 5% NFDN/TBST. Secondary: Goat anti-rabbit IgG HRP conjugate.



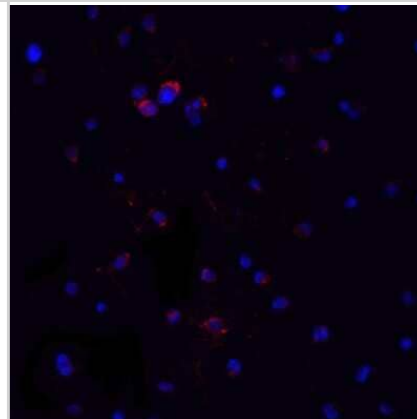
Western Blot: MyD88 Antibody [NBP1-76465] - Independent Antibody Validation (IAV) via Protein Expression Profile in Cell Lines Loading: 15 ug of lysates per lane. Antibodies: MyD88 NBP1-76925 (2 ug/mL), MyD88 NBP1-76465 (2 ug/mL), beta-actin (1 ug/mL), and GAPDH (0.02 ug/mL), 1 h incubation at RT in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



Immunocytochemistry/Immunofluorescence: MyD88 Antibody [NBP1-76465] - Analysis of MyD88 in Jurkat cells with MyD88 antibody at 20 ug/ml.



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
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

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