

For Research Use Only

# MYD88 Monoclonal antibody

Catalog Number: 67969-1-Ig **23 Publications**



## Basic Information

<b>Catalog Number:</b> 67969-1-Ig	<b>GenBank Accession Number:</b> BC013589	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 150ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 4615	<b>CloneNo.:</b> 2E10D3
<b>Source:</b> Mouse	<b>Full Name:</b> myeloid differentiation primary response gene (88)	<b>Recommended Dilutions:</b> WB 1:2000-1:10000 IHC 1:250-1:1000 IF 1:200-1:800
<b>Isotype:</b> IgG2b	<b>Calculated MW:</b> 33 kDa	
<b>Immunogen Catalog Number:</b> AG27659	<b>Observed MW:</b> 33 kDa	

## Applications

### Tested Applications:

IF, IHC, WB, ELISA

### Cited Applications:

IF, IHC, WB

### Species Specificity:

Human, mouse, rat, rabbit, pig

### Cited Species:

human, rat, mouse

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

### Positive Controls:

**WB :** HepG2 cells, HL-60 cells, HSC-T6 cells, NIH/3T3 cells, pig spleen tissue, rabbit spleen tissue, Jurkat cells, Raji cells, K-562 cells

**IHC :** human liver tissue, mouse liver tissue

**IF :** mouse liver tissue,

## Background Information

MYD88 is a cytosolic adapter protein that plays a central role in the innate and adaptive immune response. MYD88 is the key adaptor protein for the interleukin-1 receptor (IL-1R) and most Toll-like receptors (TLRs), which are essential for innate immunity and pathogen-associated molecular pattern recognition. Mutations in the MyD88 gene lead to the development of cancer in humans and mice suggesting that MyD88 also plays a cell autonomous role in tissue homeostasis.

## Notable Publications

Author	Pubmed ID	Journal	Application
Ting Xu	36079919	Nutrients	WB
Shuming Li	36446234	Int Immunopharmacol	WB
Honghong Zhan	36552516	Antioxidants (Basel)	WB

## Storage

### Storage:

Store at -20°C. Stable for one year after shipment.

### Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

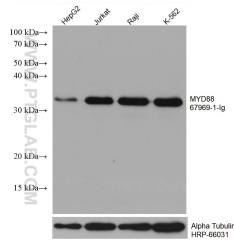
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

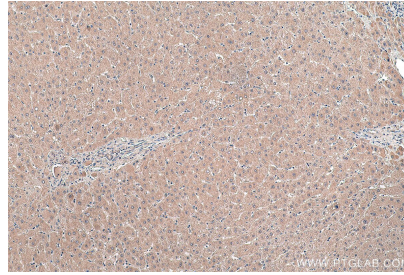
E: proteintech@ptglab.com  
W: ptglab.com

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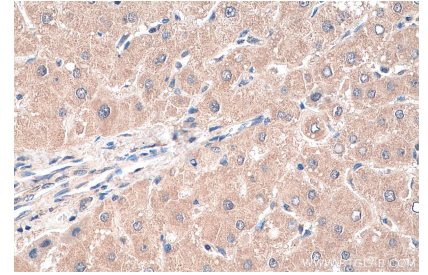
## Selected Validation Data



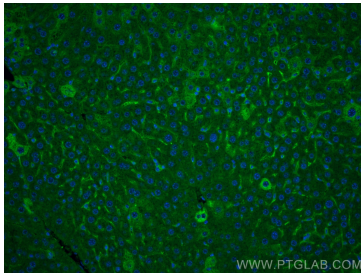
Various lysates were subjected to SDS PAGE followed by western blot with 67969-1-Ig (MYD88 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Alpha Tubulin Monoclonal antibody (HRP-66031) as loading control.



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 67969-1-Ig (MYD88 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 67969-1-Ig (MYD88 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed mouse liver tissue using MYD88 antibody (67969-1-Ig, Clone: 2E10D3) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).