

MYD88 Antibody

Catalog No: #24065

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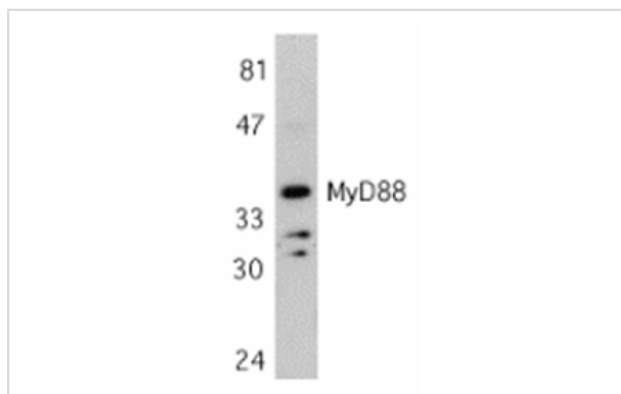
Description

Product Name	MYD88 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Affinity chromatography purified via peptide column
Applications	ELISA WB IHC
Species Reactivity	Hu Ms
Immunogen Type	Peptide
Immunogen Description	Raised against a peptide corresponding to amino acids 233 to 248 of human MyD88, which differ from those of mouse by two amino acids.
Target Name	MYD88
Other Names	MYD88
Accession No.	U70451
Uniprot	U70451
Concentration	1mg/ml
Formulation	Supplied in PBS containing 0.02% sodium azide.
Storage	Can be stored at -20°C, stable for 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.

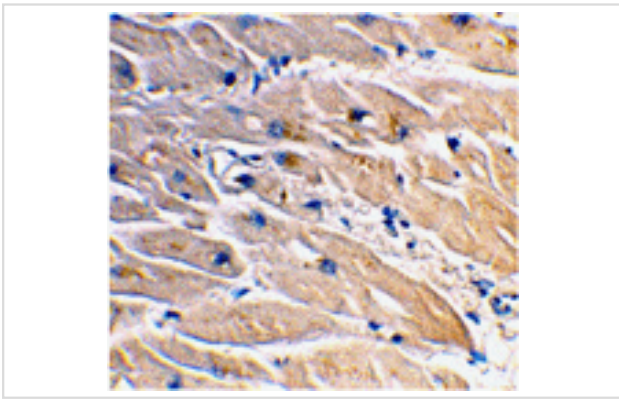
Application Details

Predicted MW: 35 kd

Images



Western blot analysis of MyD88 in Jurkat whole cell lysate with MyD88 antibody at 1 ug/mL.



Immunohistochemical staining of human heart tissue using MyD88 antibody at 2 ug/mL.

Background

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- κ 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 loss 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.

Note: This product is for in vitro research use only