

Product datasheet for **TA305998**

MYD88 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	WB: 1 ug/mL, IHC: 2 ug/mL, IF: 10 ug/mL
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	MyD88 antibody was raised against a peptide corresponding to amino acids 233 to 248 of human MyD88, which differ from those of mouse by two amino acids.
Formulation:	PBS containing 0.02% sodium azide.
Concentration:	1ug/ul
Purification:	Affinity chromatography purified via peptide column
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	myeloid differentiation primary response 88
Database Link:	NP_001166037 Entrez Gene 17874 Mouse Entrez Gene 4615 Human Q99836



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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 (1). 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-kappaB activation. MyD88 is also employed as a regulator molecule by IL-18 receptor and human Toll receptor (2,3), 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.

Synonyms:

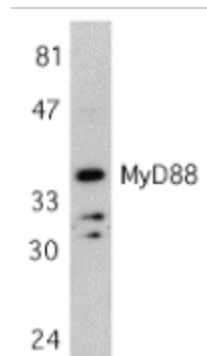
MYD88D

Protein Families:

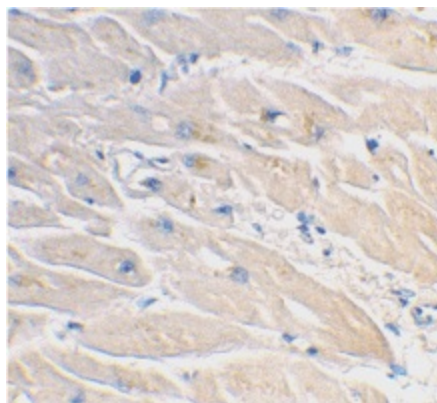
Druggable Genome

Protein Pathways:

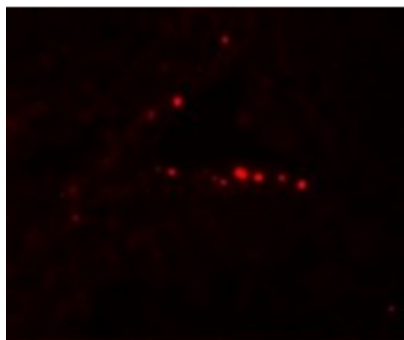
Apoptosis, Toll-like receptor signaling pathway

Product 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.



Immunofluorescence of MYD88 in Human Testis cells with MYD88 antibody at 20 ug/mL.