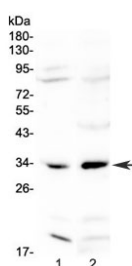


## MyD88 Antibody (R32812)

Catalog No.	Formulation	Size
R32812	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

**Bulk quote request**

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Rat
<b>Format</b>	Antigen affinity purified
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit IgG
<b>Purity</b>	Antigen affinity
<b>Buffer</b>	Lyophilized from 1X PBS with 2.5% BSA, 0.025% sodium azide
<b>UniProt</b>	Q6Y1S1
<b>Applications</b>	Western Blot : 0.5-1ug/ml
<b>Limitations</b>	This MyD88 antibody is available for research use only.



Western blot testing of 1) rat liver and 2) rat ovary lysate with MyD88 antibody at 0.5ug/ml. Predicted molecular weight ~33 kDa.

## Description

MYD88 (Myeloid differentiation primary response gene 88), is a protein that, in humans, is encoded by the MYD88 gene. MyD88 is a key downstream adapter for most Toll-like receptors (TLRs) and interleukin-1 receptors (IL1Rs). And it is mapped on 3p22.2. MYD88 encodes a cytosolic adapter protein that plays a central role in the innate and adaptive immune response. This protein functions as an essential signal transducer in the interleukin-1 and Toll-like receptor signaling pathways. Overexpression of MYD88 caused an increase in the level of transcription from the interleukin-8 promoter. The C-terminal domain of MYD88 has significant sequence similarity to the cytoplasmic domain of IL1RAP. Inhibiting the IL1R-MYD88 pathway in vivo could block the damage from acute inflammation that occurs in response to

sterile cell death, and do so in a way that might not compromise tissue repair or host defense against pathogens.

## **Application Notes**

Optimal dilution of the MyD88 antibody should be determined by the researcher.

## **Immunogen**

A recombinant rat protein corresponding to amino acids D14-D263 was used as the immunogen for the MyD88 antibody.

## **Storage**

After reconstitution, the MyD88 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.