

Datasheet for ABIN3031892

## anti-MYD88 antibody (Middle Region)



[Go to Product page](#)

### 3 Images

#### Overview

|                      |                                                                                    |
|----------------------|------------------------------------------------------------------------------------|
| Quantity:            | 100 µg                                                                             |
| Target:              | MYD88                                                                              |
| Binding Specificity: | Middle Region                                                                      |
| Reactivity:          | Human, Mouse, Rat                                                                  |
| Host:                | Rabbit                                                                             |
| Clonality:           | Polyclonal                                                                         |
| Conjugate:           | This MYD88 antibody is un-conjugated                                               |
| Application:         | Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)) |

#### Product Details

|               |                                                                                                                                   |
|---------------|-----------------------------------------------------------------------------------------------------------------------------------|
| Immunogen:    | An amino acid sequence from the middle region of human MyD88 (FVQEMIRQLEQTNYR) was used as the immunogen for this MyD88 antibody. |
| Isotype:      | Ig Fraction                                                                                                                       |
| Purification: | Antigen affinity                                                                                                                  |

#### Target Details

|                   |                                                                                                                                                                                                                                                                                      |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Target:           | MYD88                                                                                                                                                                                                                                                                                |
| Alternative Name: | MyD88 ( <a href="#">MYD88 Products</a> )                                                                                                                                                                                                                                             |
| Background:       | 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). It a cytosolic adapter protein that plays a central role in the |

## Target Details

innate and adaptive immune response. This protein functions as an essential signal transducer in the interleukin-1 and [Toll-like receptor](https://www.antibodies-online.com/Products/TLR-toll-like-receptor-antibodies) signaling pathways. Overexpression causes an increase in the level of transcription from the interleukin-8 promoter. The C-terminal domain of the protein 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.

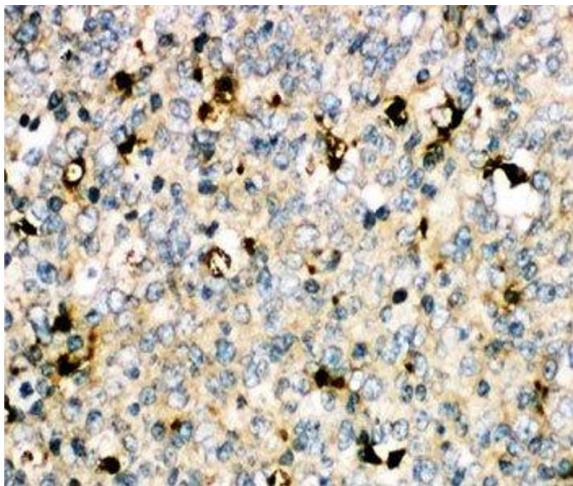
|           |                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| UniProt:  | <a href="#">Q99836</a>                                                                                                                                                                                                                                                                                                                                                                                                                |
| Pathways: | <a href="#">NF-kappaB Signaling</a> , <a href="#">TLR Signaling</a> , <a href="#">Neurotrophin Signaling Pathway</a> , <a href="#">Activation of Innate immune Response</a> , <a href="#">Cellular Response to Molecule of Bacterial Origin</a> , <a href="#">Positive Regulation of Immune Effector Process</a> , <a href="#">Production of Molecular Mediator of Immune Response</a> , <a href="#">Toll-Like Receptors Cascades</a> |

## Application Details

|                    |                                                                                                                                                                                                                                                     |
|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Application Notes: | The stated application concentrations are suggested starting points. Titration of the MyD88 antibody may be required due to differences in protocols and secondary/substrate sensitivity.<br>Western blot: 0.5-1 µg/mL, IHC (Paraffin): 0.5-1 µg/mL |
| Restrictions:      | For Research Use only                                                                                                                                                                                                                               |

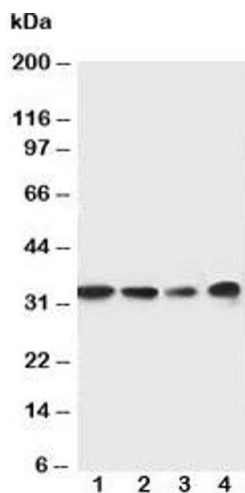
## Handling

|                  |                                                                                                                                                                    |
|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Buffer:          | 0.5 mg/mL if reconstituted with 0.2 mL sterile DI water                                                                                                            |
| Storage:         | -20 °C                                                                                                                                                             |
| Storage Comment: | 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. |



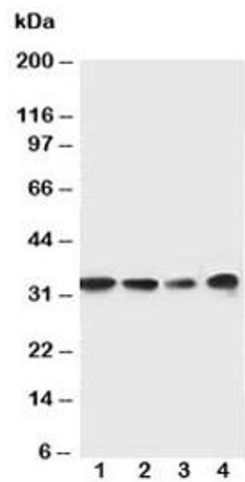
**Immunohistochemistry**

**Image 1.** IHC-P: MyD88 antibody testing of human tonsil tissue



**Western Blotting**

**Image 2.** Western blot testing of MyD88 antibody and Lane 1: rat spleen; 2: rat thymus; 3: Jurkat; 4: Raji cell lysate. Predicted molecular weight: 33 kDa



**Western Blotting**

**Image 3.** Western blot testing of MyD88 antibody and Lane 1: rat spleen