**Product datasheet**

**Anti-MyD88 antibody ab2064**

| ★★★★★ 10 Abreviews | 34 References | 2 Images |

**Overview**

| **Product name** | Anti-MyD88 antibody |
| **Description** | Rabbit polyclonal to MyD88 |
| **Host species** | Rabbit |
| **Tested applications** | Suitable for: WB |
| **Species reactivity** | Reacts with: Mouse, Rat, Human |
| **Immunogen** | Synthetic peptide corresponding to Human MyD88 aa 279-296 (C terminal). Sequence: CTKSWFWTRLAKALSLP |

(Peptide available as ab7878)

| **Positive control** | Jurkat whole cell lysate. |
| **General notes** | 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. |

**Properties**

| **Form** | Liquid |
| **Storage instructions** | Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. |
| **Storage buffer** | PBS with 0.02% sodium azide |
| **Purity** | Immunogen affinity purified |
| **Clonality** | Polyclonal |
| **Isotype** | IgG |

**Applications**

Our Abpromise guarantee covers the use of ab2064 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.
Function
Adapter protein involved in the Toll-like receptor and IL-1 receptor signaling pathway in the innate immune response. Acts via IRAK1, IRAK2, IRF7 and TRAF6, leading to NF-kappa-B activation, cytokine secretion and the inflammatory response. Increases IL-8 transcription. Involved in IL-18-mediated signaling pathway.

Tissue specificity
Ubiquitous.

Involvement in disease
Defects in MYD88 are the cause of MYD88 deficiency (MYD88D) [MIM:612260]; also known as recurrent pyogenic bacterial infections due to MYD88 deficiency. Patients suffer from autosomal recessive, life-threatening, often recurrent pyogenic bacterial infections, including invasive pneumococcal disease, and die between 1 and 11 months of age. Surviving patients are otherwise healthy, with normal resistance to other microbes, and their clinical status improved with age.

Sequence similarities
Contains 1 death domain.
Contains 1 TIR domain.

Domain
The intermediate domain (ID) is required for the phosphorylation and activation of IRAK.

Cellular localization
Cytoplasm.

Application | Abreviews | Notes
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WB | | 1/500 - 1/1000. Detects a band of approximately 35 kDa (predicted molecular weight: 33 kDa). Can be blocked with Human MyD88 peptide (ab7878).
**Western blot - Anti-MyD88 antibody (ab2064)**

**This image is courtesy of an anonymous Abreview**

**All lanes**: Anti-MyD88 antibody (ab2064) at 1 µg/ml

**Lanes 1-2**: Wild type MEFs whole cell lysate

**Lanes 3-4**: MyD88 knockout MEFs whole cell lysate

**Secondary**

**All lanes**: HRP-conjugated goat anti-rabbit IgG polyclonal at 1/10000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

**Predicted band size**: 33 kDa

**Observed band size**: 33 kDa

**Exposure time**: 15 seconds

**Anti-MyD88 antibody (ab2064) at 1/500 dilution + Jurkat Whole Cell Lysate**

**Predicted band size**: 33 kDa

**Observed band size**: 35 kDa

**Please note**: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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