Datasheet for ABIN736881

# anti-MYD88 antibody (AA 201-296)

5 Images | 6 Publications

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## Overview

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|---|---|
| Quantity: | 100 µL |
| Target: | MYD88 |
| Binding Specificity: | AA 201-296 |
| Reactivity: | Human, Mouse, Rat, Chicken |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This MYD88 antibody is un-conjugated |
| Application: | Western Blotting (WB), ELISA, Immunoprecipitation (IP), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Frozen Sections) (IHC (fro)) |

## Product Details

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| Immunogen: | KLH conjugated synthetic peptide derived from mouse MyD88 |
| Isotype: | IgG |
| Cross-Reactivity: | Chicken, Human, Mouse, Rat |
| Purification: | Purified by Protein A. |

## Target Details

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| Target: | MYD88 |
| Alternative Name: | MyD88 (MYD88 Products) |

## Target Details

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|---|---|
| Background: | Synonyms: Myeloid differentiation primary response protein MyD88, Myd88<br>Background: 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. Isoform 2 is defective in its ability to induce IRAK phosphorylation and NF-kappa-B activation and can function as a negative regulator of activation by IL-1 or lipopolysaccharide (LPS). Activates IRF1 resulting in its rapid migration into the nucleus to mediate an efficient induction of IFN-beta, NOS2/INOS, and IL12A genes. MyD88-mediated signaling in intestinal epithelial cells is crucial for maintenance of gut homeostasis and controls the expression of the antimicrobial lectin REG3G in the small intestine. |
| Gene ID: | 17874 |
| UniProt: | P22366 |
| Pathways: | NF-kappaB Signaling, TLR Signaling, Neurotrophin Signaling Pathway, Activation of Innate immune Response, Cellular Response to Molecule of Bacterial Origin, Positive Regulation of Immune Effector Process, Production of Molecular Mediator of Immune Response, Toll-Like Receptors Cascades |

## Application Details

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| Application Notes: | WB 1:300-5000<br>ELISA 1:500-1000<br>IHC-P 1:200-400<br>IHC-F 1:100-500<br>IF(IHC-P) 1:50-200<br>IF(IHC-F) 1:50-200<br>IF(ICC) 1:50-200<br>IP(1-2 µg) |
| Restrictions: | For Research Use only |

## Handling

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|---|---|
| Format: | Liquid |
| Concentration: | 1 µg/µL |
| Buffer: | 0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol. |

 

## Handling

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| Preservative: | ProClin |
| Precaution of Use: | This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only. |
| Storage: | 4 °C,-20 °C |
| Storage Comment: | Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles. |
| Expiry Date: | 12 months |

## Publications

Product cited in:

Fu, Xia, Liu, Wang, Wang, Shi, Song, Song, Song et al.: "The acute exposure of tetrachloro-p-benzoquinone (a.k.a. chloranil) triggers inflammation and neurological dysfunction via Toll-like receptor 4 signaling: The protective role of melatonin ..." in: **Toxicology**, Vol. 381, pp. 39-50, ( 2017) (PubMed).

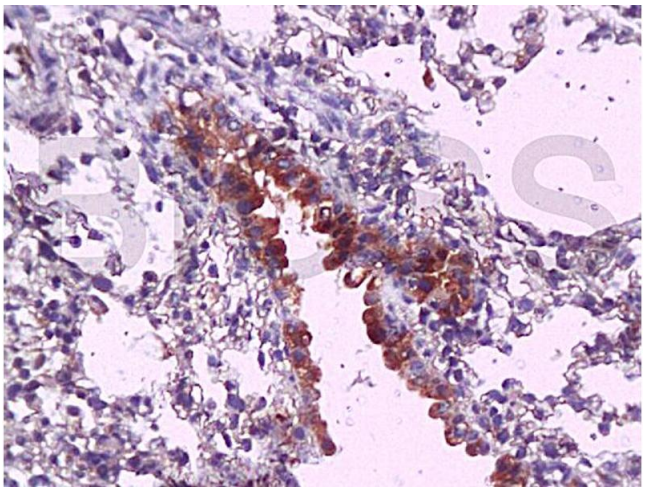
Li, Yu, Li, Liu, Jiao, Song, Lv, Qin: "Phycocyanin attenuates pulmonary fibrosis via the TLR2-MyD88-NF-κB signaling pathway." in: **Scientific reports**, Vol. 7, Issue 1, pp. 5843, (2017) ( PubMed).

Fu, Shi, Song, Liu, Wang, Wang, Song, Song: "From the Cover: Tetrachlorobenzoquinone Exerts Neurological Proinflammatory Activity by Promoting HMGB1 Release, Which Induces TLR4 Clustering within the Lipid Raft." in: **Toxicological sciences : an official journal of the Society of Toxicology**, Vol. 153, Issue 2, pp. 303-15, (2016) (PubMed).

Chen, Ye, Zhang, Tang, Li, Lu, Wu, Yu, Kou: "Limb Remote Ischemic Postconditioning Reduces Ischemia-Reperfusion Injury by Inhibiting NADPH Oxidase Activation and MyD88-TRAF6-P38MAP-Kinase Pathway of Neutrophils." in: **International journal of molecular sciences**, Vol. 17, Issue 12, (2016) (PubMed).

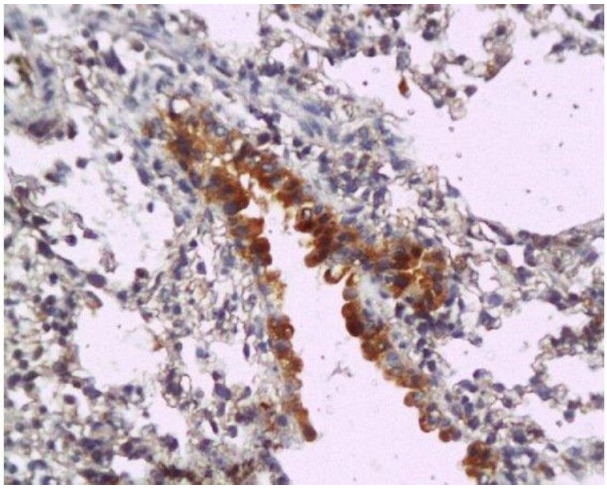
Wang, Shi, Lv, Xu, Li, Ge, Xiao, Geng, Liu: "Artesunate Attenuates Lipopolysaccharide-Stimulated Proinflammatory Responses by Suppressing TLR4, MyD88 Expression, and NF-?B Activation in Microglial Cells." in: **Inflammation**, (2015) (PubMed).

There are more publications referencing this product on: Product page



## Immunohistochemistry

**Image 1.** Formalin-fixed and paraffin embedded mouse lung tissue labeled with Anti-MyD88 Polyclonal Antibody, Unconjugated (ABIN736881) at 1:200, followed by conjugation to the secondary antibody and DAB staining



## Immunohistochemistry (Paraffin-embedded Sections)

**Image 2.** Formalin-fixed and paraffin embedded mouse lung tissue labeled with Anti-MyD88 Polyclonal Antibody, Unconjugated at 1:200, followed by conjugation to the secondary antibody and DAB staining

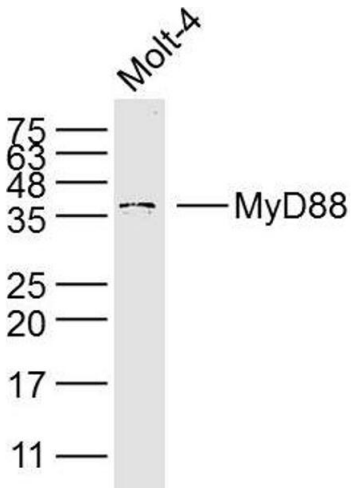



**Image 3.** Molt-4 lysates probed with MyD88 Polyclonal Antibody, Unconjugated at 1:300 dilution and 4˚C overnight incubation. Followed by conjugated secondary antibody incubation at 1:10000 for 60 min at 37˚C.

Please check the product details page for more images. Overall 5 images are available for ABIN736881.