

MyD88 Antibody
Rabbit mAb
Catalog # AP90684

Specification

MyD88 Antibody - Product Information

Application	WB, IHC, FC, ICC
Primary Accession	O99836
Clonality	Monoclonal
Other Names	
Myeloid differentiation primary response protein MyD88; MYD88;	
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	33233 Da

MyD88 Antibody - Additional Information

Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human MyD88
Description	Members of the Toll-like receptor (TLR) family, named for the closely related Toll receptor in <i>Drosophila</i> , play a pivotal role in innate immune responses. TLRs recognize conserved motifs found in various pathogens and mediate defense responses. Triggering of the TLR pathway leads to the activation of NF- κ B and subsequent regulation of immune and inflammatory genes.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

MyD88 Antibody - Protein Information

Name MYD88 ([HGNC:7562](#))

Function

Adapter protein involved in the Toll-like receptor and IL-1 receptor signaling pathway in the innate immune response (PubMed: [15361868](http://www.uniprot.org/citations/15361868), PubMed: [18292575](http://www.uniprot.org/citations/18292575), PubMed: [33718825](http://www.uniprot.org/citations/33718825), PubMed: [37971847](http://www.uniprot.org/citations/37971847)). Acts via IRAK1, IRAK2, IRF7 and TRAF6, leading to NF-kappa-B activation, cytokine secretion and the inflammatory response (PubMed: [37971847](#)).

href="http://www.uniprot.org/citations/15361868" target="_blank">15361868, PubMed:19506249, PubMed:24316379). Increases IL-8 transcription (PubMed:9013863). Involved in IL-18-mediated signaling pathway. Activates IRF1 resulting in its rapid migration into the nucleus to mediate an efficient induction of IFN-beta, NOS2/INOS, and IL12A genes. Upon TLR8 activation by GU-rich single-stranded RNA (GU- rich RNA) derived from viruses such as SARS-CoV-2, SARS-CoV and HIV-1, induces IL1B release through NLRP3 inflammasome activation (PubMed:33718825). 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 (By similarity).

Cellular Location

Cytoplasm. Nucleus

Tissue Location

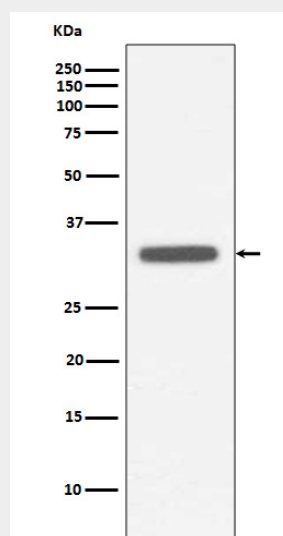
Ubiquitous..

MyD88 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

MyD88 Antibody - Images



Western blot analysis of MyD88 expression in Raji cell lysate.