

**MyD88 Rabbit mAb**  
Catalog # AP77503**Specification**

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**MyD88 Rabbit mAb - Product Information**

Application	<b>WB, IHC, IF</b>
Primary Accession	<a href="#">Q99836</a>
Reactivity	<b>Human</b>
Host	<b>Rabbit</b>
Clonality	<b>Monoclonal Antibody</b>
Calculated MW	<b>33233</b>

**MyD88 Rabbit mAb - Additional Information****Gene ID** 4615**Other Names**

MYD88

**Dilution**

WB~~1/500-1/1000

IHC~~1/50-1/100

IF~~1/50-1/200

**Format**

Liquid

**MyD88 Rabbit mAb - 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) target="\_blank">15361868</a>, PubMed: [18292575](http://www.uniprot.org/citations/18292575) target="\_blank">18292575</a>, PubMed: [33718825](http://www.uniprot.org/citations/33718825) target="\_blank">33718825</a>, PubMed: [37971847](http://www.uniprot.org/citations/37971847) target="\_blank">37971847</a>). Acts via IRAK1, IRAK2, IRF7 and TRAF6, leading to NF-kappa-B activation, cytokine secretion and the inflammatory response (PubMed: [15361868](http://www.uniprot.org/citations/15361868) target="\_blank">15361868</a>, PubMed: [19506249](http://www.uniprot.org/citations/19506249) target="\_blank">19506249</a>, PubMed: [24316379](http://www.uniprot.org/citations/24316379) target="\_blank">24316379</a>). Increases IL-8 transcription (PubMed: [9013863](http://www.uniprot.org/citations/9013863) target="\_blank">9013863</a>). 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](http://www.uniprot.org/citations/33718825) target="\_blank">33718825</a>)

target="\_blank">33718825</a>). 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 Rabbit mAb - 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 Rabbit mAb - Images



