

## Product datasheet for **AP20639PU-N**

### MYD88 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	<b>Western blot:</b> 1/500-1/1000. <b>Immunohistochemistry on Paraffin Sections:</b> 1/50-1/200.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Specificity:	This antibody detects endogenous levels of MyD88 protein. (region surrounding Val220)
Formulation:	Phosphate buffered saline (PBS), pH~7.2 State: Aff - Purified State: Liquid purified Ig fraction (> 95% pure by SDS-PAGE) Preservative: 0.05% Sodium Azide
Concentration:	1.0 mg/ml
Purification:	Affinity Chromatography using epitope-specific immunogen
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	~35 kDa
Gene Name:	myeloid differentiation primary response 88
Database Link:	<a href="#">Entrez Gene 17874 Mouse</a> <a href="#">Entrez Gene 301059 Rat</a> <a href="#">Entrez Gene 4615 Human</a> <a href="#">Q99836</a>



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**Background:**

Interleukin-1 (IL-1)-induced activation of the NFκB pathway is mediated through the IL-1 receptor and the subsequent phosphorylation of IL-1 receptor-associated kinase (IRAK). The myeloid differentiation protein MyD88 was originally characterized as a protein upregulated in myeloleukemic cells following IL-6-induced growth arrest and terminal differentiation. MyD88 is now known to function as an adaptor protein for the association of IRAK with the IL-1 receptor. MyD88 is functionally homologous to the adaptor protein tube in the Toll signaling pathway of *Drosophila*, and both proteins are members of the Toll/IL-1R superfamily. MyD88 contains a characteristic N-terminal death domain that is essential for NFκB activation and an adjacent Toll/IL-1R homology domain (TIR domain). Collectively, these domains enable the protein-protein interactions of MyD88 with IRAK and the IL-1 receptor complex.

**Synonyms:**

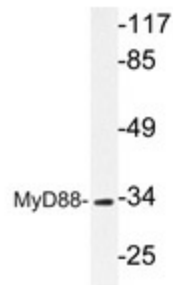
Myeloid differentiation primary response protein MyD88

**Protein Families:**

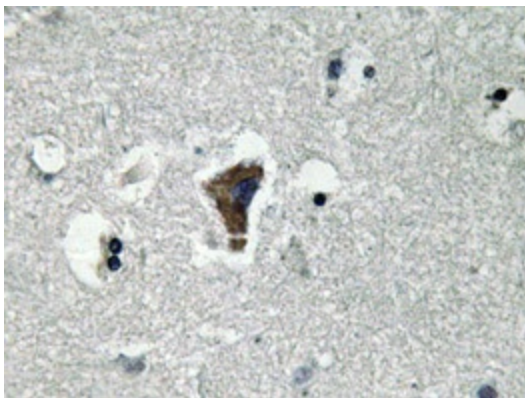
Druggable Genome

**Protein Pathways:**

Apoptosis, Toll-like receptor signaling pathway

**Product images:**

Western blot analysis of MyD88 antibody (Cat.-No.: AP20639PU-N) in extracts from COLO cells.



Immunohistochemistry analyzes of MyD88 antibody (Cat.-No.: AP20639PU-N) in paraffin-embedded human brain tissue.