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Product datasheet for AP20639PU-M

MYD88 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	**Western blot:** 1/500-1/1000. **Immunohistochemistry on Paraffin Sections:** 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:	Entrez Gene 17874 MouseEntrez Gene 301059 RatEntrez Gene 4615 Human Q99836

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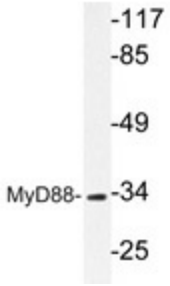
Background: Interleukin-1 (IL-1)-induced activation of the NFκB pathway is mediated through the IL-1 receptor and the subsequent phosphorylation of IL-1 receptorassociated kinase (IRAK). The myeloid differentiation protein MyD88 was originally characterized as a protein upregulated in myeloleukemic cells 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 Drosophili,a 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

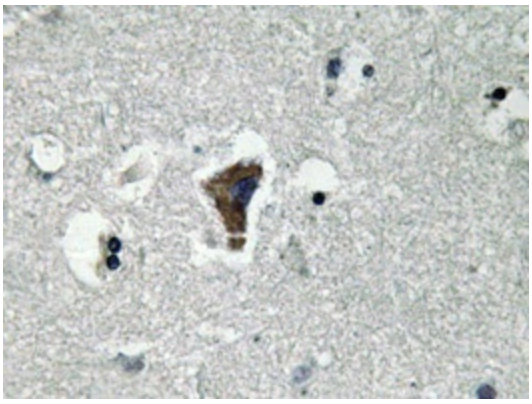
Protein Families: Druggable Genome

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.