

Datasheet for ABIN3043887
anti-MYD88 antibody (AA 44-264)

5 Images

21 Publications

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Overview

Quantity:	100 µg
Target:	MYD88
Binding Specificity:	AA 44-264
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Purpose:	Rabbit IgG polyclonal antibody for Myeloid differentiation primary response protein MYD88(MYD88) detection. Tested with WB, IHC-P in Human,Mouse,Rat.
Immunogen:	E.coli-derived human MyD88 recombinant protein (Position: A44-F264). Human MyD88 shares 84% and 83% amino acid (aa) sequences identity with mouse and rat MyD88, respectively.
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	<p>Rabbit IgG polyclonal antibody for Myeloid differentiation primary response protein MYD88(MYD88) detection. Tested with WB, IHC-P in Human,Mouse,Rat.</p> <p>Gene Name: myeloid differentiation primary response 88</p> <p>Protein Name: Myeloid differentiation primary response protein MyD88</p>
Purification:	Immunogen affinity purified.

Target Details

Target:	MYD88
Alternative Name:	MYD88 (MYD88 Products)
Background:	<p>MYD88(MYELOID DIFFERENTIATION PRIMARY RESPONSE GENE 88), is a protein that, in humans, is encoded by the MYD88 gene. MyD88 is a key downstream adapter for most Toll-like receptors (TLRs) and interleukin-1 receptors (IL1Rs). And it is mapped on 3p22.2. MYD88 encodes a cytosolic adapter protein that plays a central role in the innate and adaptive immune response. This protein functions as an essential signal transducer in the interleukin-1 and Toll-like receptor signaling pathways. Overexpression of MYD88 caused an increase in the level of transcription from the interleukin-8 promoter. The C-terminal domain of MYD88 has significant sequence similarity to the cytoplasmic domain of IL1RAP. Inhibiting the IL1R-MYD88 pathway in vivo could block the damage from acute inflammation that occurs in response to sterile cell death, and do so in a way that might not compromise tissue repair or host defense against pathogens.</p> <p>Synonyms: MYD 88 antibody Myd88 antibody MYD88_HUMAN antibody MYD88D antibody Myeloid differentiation marker 88 antibody Myeloid differentiation primary response gene 88 antibody Myeloid differentiation primary response gene antibody Myeloid differentiation primary response protein MyD88 antibody OTTHUMP00000161718 antibody OTTHUMP00000208595 antibody OTTHUMP00000209058 antibody OTTHUMP00000209059 antibody OTTHUMP00000209060 antibody</p>
Gene ID:	4615
UniProt:	Q99836
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

Application Notes:	<p>WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human, Rat, The detection limit for MyD88 is approximately 0.25 ng/lane under reducing conditions.</p> <p>IHC-P: Concentration: 0.5-1 µg/mL, Tested Species: Human, Mouse, Rat, Epitope Retrieval by Heat: Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for 20 mins is required for the staining of formalin/paraffin sections.</p>
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Application Details

Notes: Tested Species: Species with positive results. Other applications have not been tested.
Optimal dilutions should be determined by end users.

Comment: Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by ABIN921231 in IHC(P).

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.

Concentration: 500 µg/mL

Buffer: Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na₂HPO₄, 0.05 mg Sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freezing and thawing.

Storage: 4 °C/-20 °C

Storage Comment: At -20°C for one year. After reconstitution, at 4°C for one month.
It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.

Publications

Product cited in: Mao, Lu, Wang, Tian, Huang, Feng, Zhang, Chang: "Role of PI3K p110β in the differentiation of human embryonic stem cells into islet-like cells." in: **Biochemical and biophysical research communications**, Vol. 488, Issue 1, pp. 109-115, (2017) ([PubMed](#)).

Wang, Zhou, Zhang, Wu, Zhang, Zhang: "Identification and localization of gastrointestinal hormones in the skin of the bullfrog *Rana catesbeiana* during periods of activity and hibernation." in: **Acta histochemica**, Vol. 116, Issue 8, pp. 1418-26, (2014) ([PubMed](#)).

Chen, He, Peng, Liu, Jin, Cao, Wang, Xiao: "An immunohistochemical study of somatostatin in the stomach and the small intestine of the African ostrich (*Struthio camelus*)." in: **Tissue & cell**,

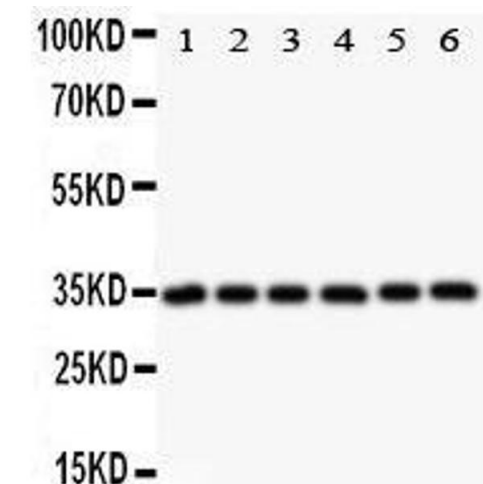
Vol. 45, Issue 6, pp. 363-6, (2013) ([PubMed](#)).

Jiang, Deng, Duan, Chen, Xiang, Lu, Ma: "Somatostatin receptors SSTR2 and SSTR5 are expressed in the human thoracic duct." in: **Lymphology**, Vol. 44, Issue 1, pp. 21-8, (2011) ([PubMed](#)).

Zong, Chen, Zhang, Zou: "Effects of intra-gastric beta-casomorphin-7 on somatostatin and gastrin gene expression in rat gastric mucosa." in: **World journal of gastroenterology**, Vol. 13, Issue 14, pp. 2094-9, (2007) ([PubMed](#)).

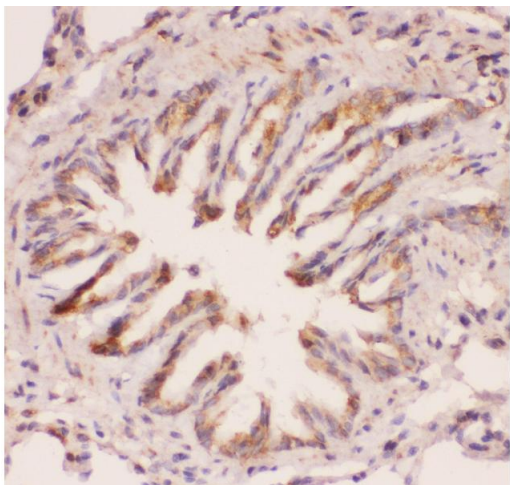
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Validation report #300031 for Immunohistochemistry (IHC)



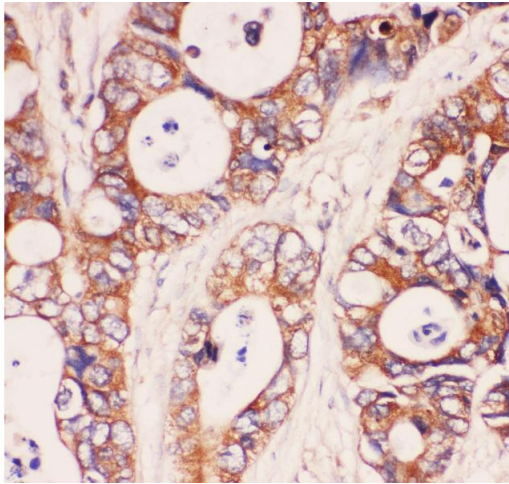
Western Blotting

Image 1. Observed bind size: 33KD



Immunohistochemistry

Image 2. Anti-MyD88 Picoband antibody, IHC(P): Rat Lung Tissue



Immunohistochemistry

Image 3. Anti-MyD88 Picoband antibody, IHC(P): Human Intestinal Cancer Tissue

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN3043887.