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Datasheet for ABIN872644 anti-IL-1 beta antibody (AA 161-269)

7 Images

3 Publications



Overview

Quantity:	100 µL
Target:	IL-1 beta (IL1B)
Binding Specificity:	AA 161-269
Reactivity:	Human, Mouse, Rat, Cow, Rabbit
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This IL-1 beta antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human IL-1 Beta
Isotype:	lgG
Cross-Reactivity:	Cow, Human, Mouse, Rabbit, Rat
Predicted Reactivity:	Dog,Horse
Purification:	Purified by Protein A.
Target Details	
Target:	IL-1 beta (IL1B)

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Target Details	
Alternative Name:	II-1 beta (IL1B Products)
Background:	Synonyms: IL-1, IL1F2, IL1-BETA, Interleukin-1 beta, IL-1 beta, Catabolin, IL1B
	Background: Produced by activated macrophages, IL-1 stimulates thymocyte proliferation by
	inducing IL-2 release, B-cell maturation and proliferation, and fibroblast growth factor activity.
	IL-1 proteins are involved in the inflammatory response, being identified as endogenous
	pyrogens, and are reported to stimulate the release of prostaglandin and collagenase from
	synovial cells.
Gene ID:	3553
UniProt:	P01584
Pathways:	NF-kappaB Signaling, Interferon-gamma Pathway, TLR Signaling, Negative Regulation of
	Hormone Secretion, Cellular Response to Molecule of Bacterial Origin, Carbohydrate
	Homeostasis, Glycosaminoglycan Metabolic Process, Myometrial Relaxation and Contraction,
	Regulation of Leukocyte Mediated Immunity, Positive Regulation of Immune Effector Process,
	Autophagy, Cancer Immune Checkpoints, Inflammasome
Application Details	
Application Notes:	WB 1:300-5000
	ELISA 1:500-1000
	IHC-P 1:200-400
	IHC-F 1:100-500
	IF(IHC-P) 1:50-200
	IF(IHC-F) 1:50-200

Restrictions:

For Research Use only

IF(ICC) 1:50-200

Handling

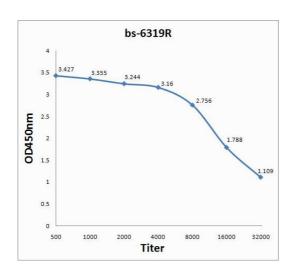
Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

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Handling	
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months
Publications	
Product cited in:	Zhou, Homberg, Fang, Wang, Li, Meng, Shen, Luan, Liao, Swaab, Shan, Liu: "Histamine-4 receptor antagonist JNJ7777120 inhibits pro-inflammatory microglia and prevents the progression of Parkinson-like pathology and behaviour in a rat model." in: Brain, behavior, and
	immunity , Vol. 76, pp. 61-73, (2019) (PubMed).
	Dinesh, Rasool et al.: "Berberine, an isoquinoline alkaloid suppresses TXNIP mediated NLRP3 inflammasome activation in MSU crystal stimulated RAW 264.7 macrophages through the upregulation of Nrf2 transcription factor and" in: International immunopharmacology , Vol. 44 , pp. 26-37, (2017) (PubMed).
	Li, Dan, Hu, Ouzhu, Ciren, Wang, Wang, Yang, Ze: "CD14 overexpression upregulates TNF-?-

mediated inflammatory responses and suppresses the malignancy of gastric carcinoma cells." in: **Molecular and cellular biochemistry**, Vol. 376, Issue 1-2, pp. 137-43, (2013) (PubMed).

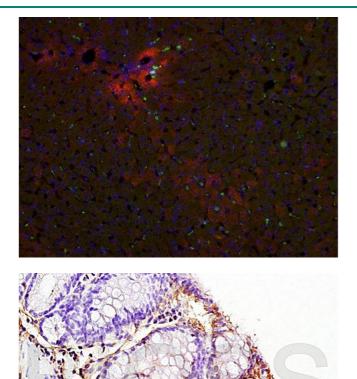
Images



ELISA

Image 1. Lane 1: mouse brain lysates Lane 2: mouse intestine lysates probed with Anti IL-1 BETA/IL-1B Polyclonal Antibody, Unconjugated (ABIN872644) at 1:200 in 4 °C. Followed by conjugation to secondary antibody at 1:3000 90min in 37 °C. Predicted band 17/30kD. Observed band size: 30kD

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Immunofluorescence (Paraffin-embedded Sections)

Image 2. Image kindly submitted by Andrew Keefe as part of the free sample program.Five micron paraffin embedded liver sections from rhesus macaques were deparaffinized, heat mediated antigen retrieval in citrate buffer, blocked for two hours in 10% goat serum + 1% BSA, Antibody incubation with IL-1 Beta Polyclonal Antibody, Unconjugated at 1:200 overnight (Red). Sections were co labeled for CD68 (Green).

Immunohistochemistry

Image 3. Antigen: 0.2 µg/100 µL Primary: Antiserum, 1:500, 1:1000, 1:2000, 1:4000, 1:8000, 1:16000, 1:32000; Secondary: HRP conjugated Goat Anti-Rabbit IgG at 1: 5000; TMB staining; Read the data in MicroplateReader by 450nm.

Please check the product details page for more images. Overall 7 images are available for ABIN872644.