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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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IL1B Antibody - N-terminal region : Biotin (ARP54324_P050-Biotin)

Data Sheet

Product Number	ARP54324_P050-Biotin
Product Page	www.avivasysbio.com/il1b-antibody-n-terminal-region-biotin-arp54324-p050-biotin.html
Name	IL1B Antibody - N-terminal region : Biotin (ARP54324_P050-Biotin)
Protein Size (# AA)	153 amino acids
Molecular Weight	17kDa
Conjugation	Biotin
NCBI Gene Id	3553
Host	Rabbit
Clonality	Polyclonal
Concentration	0.5 mg/ml
Gene Full Name	Interleukin 1, beta
Alias Symbols	IL-1, IL1F2, IL1beta, IL1-BETA
Peptide Sequence	Synthetic peptide located within the following region: DL DLCPLDGGIQLRISDHHYSGFRQAASVVVAMDKLRKMLVPCPQTFQE
Product Format	Liquid. Purified antibody supplied in 1x PBS buffer.
Reference	Piccini,A., (2008) Proc. Natl. Acad. Sci. U.S.A. 105 (23), 8067-8072
Description of Target	IL1B is a member of the interleukin 1 cytokine family. This cytokine is produced by activated macrophages as a proprotein, which is proteolytically processed to its active form by caspase 1 (CASP1/ICE). This cytokine is an important mediator of the inflammatory response, and is involved in a variety of cellular activities, including cell proliferation, differentiation, and apoptosis. The induction of cyclooxygenase-2 (PTGS2/COX2) by this cytokine in the central nervous system (CNS) is found to contribute to inflammatory pain hypersensitivity. The gene encoding IL1B and eight other interleukin 1 family genes form a cytokine gene cluster on chromosome 2. The protein encoded by this gene is a member of the interleukin 1 cytokine family. This cytokine is produced by activated macrophages as a proprotein, which is proteolytically processed to its active form by caspase 1 (CASP1/ICE). This cytokine is an important mediator of the inflammatory response, and is involved in a variety of cellular activities, including cell proliferation, differentiation, and apoptosis. The induction of cyclooxygenase-2 (PTGS2/COX2) by this cytokine in the central nervous system (CNS) is found to contribute to inflammatory pain hypersensitivity. This gene and eight other interleukin 1 family genes form a cytokine gene cluster on chromosome 2. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications.
Protein Interactions	PTPN1; LYN; FYN; CMA1; CASP1; APP; SP1; EGR1; ELAVL1; CASP4; IL1RAP; PRTN3; IL1R2; IL1R1; IL1B; MMP2; ADRB2; A2M; UBE2N; ZNF675; MAPK8IP2;
Reconstitution and Storage	All conjugated antibodies should be stored in light-protected vials or covered with a light protecting material (i.e. aluminum foil). Conjugated antibodies are stable for at least 12 months at 4C. If longer storage is desired (24 months), conjugates may be diluted with up to 50% glycerol and stored at -20C to -80C. Freezing and thawing conjugated antibodies will compromise enzyme activity as well as antibody binding.
Datasheets/Manuals	Printable datasheet for anti-IL1B (ARP54324_P050-Biotin) antibody
Blocking Peptide	For anti-IL1B (ARP54324_P050-Biotin) antibody is Catalog # AAP54324 (Previous Catalog # AAPP31072)
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human IL1B
Uniprot ID	P01584
Protein Name	Interleukin-1 beta
Protein Accession #	NP_000567
Purification	Affinity Purified
Nucleotide Accession #	NM_000576

Gene Symbol	IL1B
Predicted Species Reactivity	Human
Application	IHC, WB
Predicted Homology Based on Immunogen Sequence	Human: 100%
Image 1	

AVIVA SYSTEMS BIOLOGY manufactures and sells quality antibody products covering genome wide proteins.

This product is for Research Use Only. Not for diagnostic, human, or veterinary use.
Optimal conditions of its use should be determined by end users.