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Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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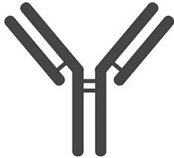
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IL1A Antibody - N-terminal region : Biotin (ARP54322_P050-Biotin)

Data Sheet

Product Number	ARP54322_P050-Biotin
Product Page	www.avivasysbio.com/ill-a-antibody-n-terminal-region-biotin-arp54322-p050-biotin.html
Name	IL1A Antibody - N-terminal region : Biotin (ARP54322_P050-Biotin)
Protein Size (# AA)	271 amino acids
Molecular Weight	18kDa
Conjugation	Biotin
NCBI Gene Id	3552
Host	Rabbit
Clonality	Polyclonal
Concentration	0.5 mg/ml
Gene Full Name	Interleukin 1, alpha
Alias Symbols	IL1, IL-1A, IL1F1, IL1-ALPHA, IL-1 alpha
Peptide Sequence	Synthetic peptide located within the following region: VSYGPLHEGCMDSVLSISSETSKLTFKESMVVVATNGKVLKKRRLS
Product Format	Liquid. Purified antibody supplied in 1x PBS buffer.
Reference	Ikeda,S., (2008) Am. J. Gastroenterol. 103 (6), 1476-1487
Description of Target	The IL1A protein is a member of the interleukin 1 cytokine family. This cytokine is a pleiotropic cytokine involved in various immune responses, inflammatory processes, and hematopoiesis. This cytokine is produced by monocytes and macrophages as a proprotein, which is proteolytically processed and released in response to cell injury, and thus induces apoptosis. The gene encoding IL1A and eight other interleukin 1 family genes form a cytokine gene cluster on chromosome 2. It has been suggested that the polymorphism of these genes is associated with rheumatoid arthritis and Alzheimer's disease. The protein encoded by this gene is a member of the interleukin 1 cytokine family. This cytokine is a pleiotropic cytokine involved in various immune responses, inflammatory processes, and hematopoiesis. This cytokine is produced by monocytes and macrophages as a proprotein, which is proteolytically processed and released in response to cell injury, and thus induces apoptosis. This gene and eight other interleukin 1 family genes form a cytokine gene cluster on chromosome 2. It has been suggested that the polymorphism of these genes is associated with rheumatoid arthritis and Alzheimer's disease. 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	HF11; AHC1; GCN5; SPT7; ADA2; NGG1; SPT8; HAX1; NFKBIE; IL1RAP; NDN; S100A13; IL1R2; IL1R1; IL1A; CAPN1;
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-IL1A (ARP54322_P050-Biotin) antibody
Blocking Peptide	For anti-IL1A (ARP54322_P050-Biotin) antibody is Catalog # AAP54322 (Previous Catalog # AAPP31070)
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human IL1A
Uniprot ID	P01583
Protein Name	Interleukin-1 alpha

Publications	<p>Wang, F. et al. Shigella flexneri T3SS effector IpaH4.5 modulates the host inflammatory response via interaction with NF-κB p65 protein. Cell. Microbiol. 15, 474-85 (2013). WB, ICC/IF, Human, Horse, Bovine, Dog, Goat, Sheep, Rat, Mouse 23083102</p> <p>Zheng, Y., Humphry, M., Maguire, J. J., Bennett, M. R. & Clarke, M. C. H. Intracellular interleukin-1 receptor 2 binding prevents cleavage and activity of interleukin-1-alpha, controlling necrosis-induced sterile inflammation. Immunity 38, 285-95 (2013). WB, Human, Horse, Bovine, Dog, Goat, Sheep, Rat, Mouse 23395675</p>
Protein Accession #	NP_000566
Purification	Affinity Purified
Nucleotide Accession #	NM_000575
Gene Symbol	IL1A
Predicted Species Reactivity	Human, Mouse, Rat, Cow, Dog, Goat, Horse, Sheep
Application	WB
Predicted Homology Based on Immunogen Sequence	Cow: 92%; Dog: 85%; Goat: 85%; Horse: 93%; Human: 100%; Mouse: 79%; Rat: 79%; Sheep: 85%
Image 1	

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

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Optimal conditions of its use should be determined by end users.