

Rabbit IL1A Polyclonal Antibody | anti-IL1A antibody

IL1A Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA31128	Rabbit	Human, Mouse, Rat	Western Blot, Immunohistochemistry, ELISA

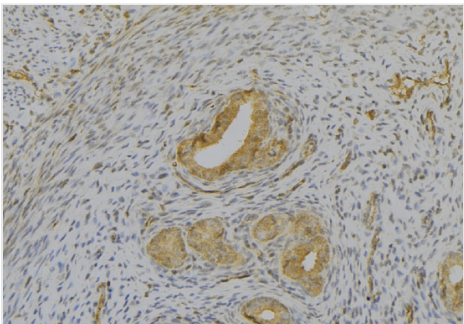
PRODUCT SYNONYMS

IL1A; Polyclonal Antibody; IL1A Antibody; BAF; FAF; Hematopoietin 1; Hematopoietin-1; IL 1 alpha; IL 1A; IL-1 alpha; IL-1a; IL1 ALPHA; IL1; IL1A_HUMAN; IL1F1; Interleukin 1 alpha; Interleukin-1 alpha; Interleukin1 alpha; LAF; LEM; Preinterleukin 1 alpha; Pro interleukin 1 alpha; anti-IL1A antibody

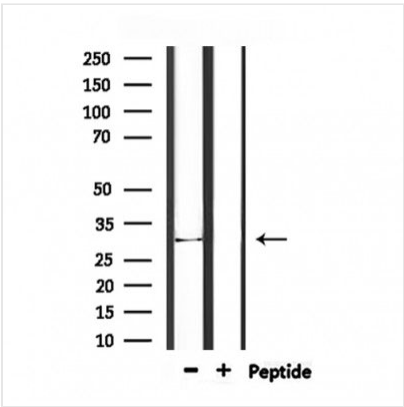
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	IL1 alpha antibody detects endogenous levels of total IL1 alpha
Purity/Purification	Peptide affinity purification
Form/Format	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	~1mg/ml (varies by lot)
Sequence Length	271
Applicable Applications for anti-IL1A antibody	WB (Western Blot), IHC (Immunohistochemistry), ELISA
Application Notes	WB: 1:500-1:2000 IHC: 1:50-1:200 EIA(peptide): 1:20000-1:40000 The optimal dilution should be determined by the end user. IMPORTANT: For western blots, incubate membrane with diluted antibody in 5% w/v milk , 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.
Immunogen	A synthesized peptide derived from human IL1 alpha, corresponding to a region within N-terminal amino acids.
Preparation and Storage	Store at -20°C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)
AAA31128 at 1/100 staining Human uterus tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)
Western blot analysis of extracts from mouse brain, using IL1A Antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-IL1A antibody	IL-1 alpha is a pro-inflammatory cytokine produced by activated monocytes, lymphocytes and epithelial cells (1). IL-1 alpha is synthesized as an active precursor protein that appears to be cleaved by cytosolic proteases into its mature form (1,2). Often, precursor and mature forms of IL-1 alpha are primarily retained intracellularly rather than constitutively secreted. (1,2). Signaling by IL-1 alpha involves IL-1 alpha binding to an IL-1 accessory protein (IL-1-AcP) and then the complex binds to IL-1RI (1,2). Signaling is through activation of MAP kinase and NF- κ B pathways (1,2). IL-1 alpha also binds to an IL-1RII that lacks an intracellular signaling domain and thereby serves as a high affinity decoy receptor. Inhibition of IL-1 alpha activity is through IL-1R antagonist (IL-1Ra) that binds IL-1RI but does not signal.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	27894330
NCBI GeneID	3552
NCBI Accession #	NP_000566.3
NCBI GenBank Nucleotide #	NM_000575.4
UniProt Accession #	P01583; Q53QF9; Q7RU02
Molecular Weight	31 kDa
NCBI Official Full Name	interleukin-1 alpha
NCBI Official Synonym Full Names	interleukin 1 alpha
NCBI Official Symbol	IL1A
NCBI Official Synonym Symbols	IL1; IL-1A; IL1F1; IL1-ALPHA
NCBI Protein Information	interleukin-1 alpha
UniProt Protein Name	Interleukin-1 alpha
UniProt Gene Name	IL1A
UniProt Synonym Gene Names	IL1F1; IL-1 alpha

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.