

Rabbit anti-Human, Mouse IL1A Polyclonal Antibody | anti-IL1A antibody

IL1A Polyclonal Antibody

CATALOG # AAA36900	HOST Rabbit	REACTIVITY Human, Mouse	APPLICATIONS Western Blot
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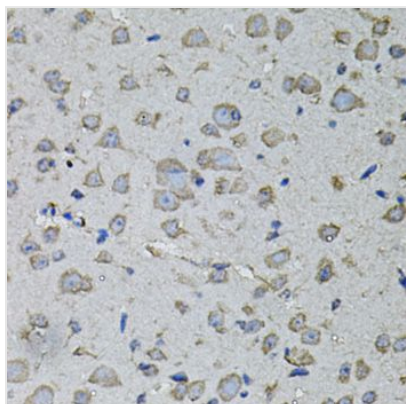
PRODUCT SYNONYMS

IL1A; Polyclonal Antibody; IL1A Polyclonal Antibody; IL1; IL1ALPHA; IL1F1; Interleukin1 alpha; Hematopoietin1;; anti-IL1A antibody

PRODUCT SPECIFICATIONS

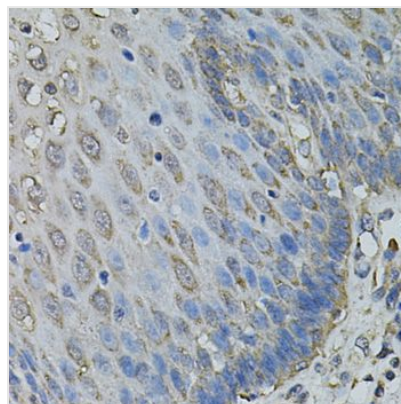
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Sequence Length	271
Applicable Applications for anti-IL1A antibody	WB (Western Blot)
Immunogen	A synthetic peptide of human IL1A
Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Preparation and Storage	Store at -20 degree C or -80 degree C. Avoid freeze / thaw cycles.

IMAGES



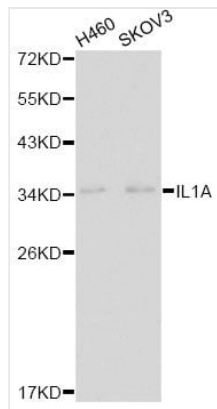
IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded mouse brain using IL1A antibody at dilution of 1:100 (40x lens).



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human esophagus using IL1A antibody at dilution of 1:100 (40x lens).



WB (Western Blot)

Western blot analysis of extracts of various cell lines, using IL1A antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST.

ADDITIONAL INFORMATION

Related Product Information for anti-IL1A antibody	IL1alpha is a proinflammatory cytokine produced by activated monocytes, lymphocytes, and epithelial cells (1). IL1alpha 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 IL1alpha are primarily retained intracellularly rather than constitutively secreted. (1,2). Signaling by IL1alpha involves IL1alpha binding to an IL1 accessory protein (IL1AcP) and then the complex binds to IL1RI (1,2). Signaling occurs through activation of MAP kinase and NFkappaB pathways (1,2). IL1alpha also binds to an ILRII that lacks an intracellular signaling domain and thereby serves as a high affinity decoy receptor. IL1alpha activity is inhibited through IL1R antagonist (IL1Ra) that binds IL1R1 but does not signal. IL1alpha has been shown to be a key mediator of virus-induced inflammatory responses in mice (3).
References	1. Dinarello, C.A. (1996) Blood 87, 2095147 2. Allan, S.M. et al. (2005) Nat Rev Immunol 5, 62940. 3. Di Paolo, N.C. et al. (2009) Immunity 31, 11021

NCBI AND UNIPROT INFORMATION

NCBI GI #	27894330
NCBI GeneID	3552
NCBI Accession #	NP_000566.3
NCBI GenBank Nucleotide #	NM_000575.3
UniProt Accession #	P01583; Q53QF9; Q7RU02
Molecular Weight	17kDa
NCBI Official Full Name	interleukin-1 alpha proprotein
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; IL-1 alpha; hematopoietin-1; preinterleukin 1 alpha; pro-interleukin-1-alpha
UniProt Protein Name	Interleukin-1 alpha
UniProt Gene Name	IL1A
UniProt Synonym Gene Names	IL1F1; IL-1 alpha
UniProt Entry Name	IL1A_HUMAN

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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/il1a-antibody-western-blot-elisa/36900>