

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

IL1A Antibody

CATALOG # AAA167209	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, Western Blot
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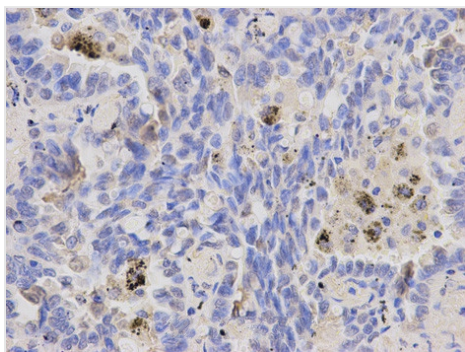
PRODUCT SYNONYMS

IL1A; Polyclonal Antibody; IL1A Antibody; IL-1A; IL1; IL1-ALPHA; IL1F1; anti-IL1A antibody

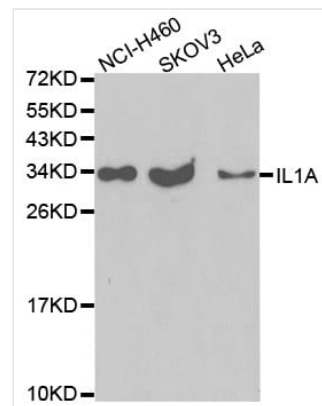
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Antigen affinity purification
Concentration	1mg/mL (varies by lot)
Sequence Length	271
Applicable Applications for anti-IL1A antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Recombinant protein of human IL1A
Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-12741 / sc-32814 / sc-7929
Preparation and Storage	Store at -20 degree C (regular) and -80 degree C (long term). Avoid freeze / thaw cycles.

IMAGES


IHC (Immunohistochemistry)

Immunohistochemical of paraffin-embedded human lung cancer using IL1A antibody at dilution of 1:200 (400x lens).


WB (Western Blot)

Western blot analysis of extracts of various cell lines, using IL1A antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-IL1A antibody	IL-1alpha is a pro-inflammatory cytokine produced by activated monocytes, lymphocytes and epithelial cells (1). IL-1alpha 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-1alpha are primarily retained intracellularly rather than constitutively secreted. (1, 2). Signaling by IL-1alpha involves IL-1alpha 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 NFkappaB pathways (1, 2). IL-1alpha also binds to an IL-RII that lacks an intracellular signaling domain and thereby serves as a high affinity decoy receptor. Inhibition of IL-1alpha activity is through IL-1R antagonist (IL-1Ra) that binds IL-1R1 but does not signal. IL-1alpha has been shown to be a key mediator of virus-induced inflammatory responses in mice (3).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	48146945
NCBI GeneID	3552
UniProt Accession #	P01583; Q53QF9; Q7RU02
Molecular Weight	30,607 Da
NCBI Official Full Name	IL1A
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/polyclonal/il1a-antibody-immunohistochemistry-western-blot-elisa/167209>