

IL1A Antibody

Catalog No: #32638

Package Size: #32638-1 50ul #32638-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

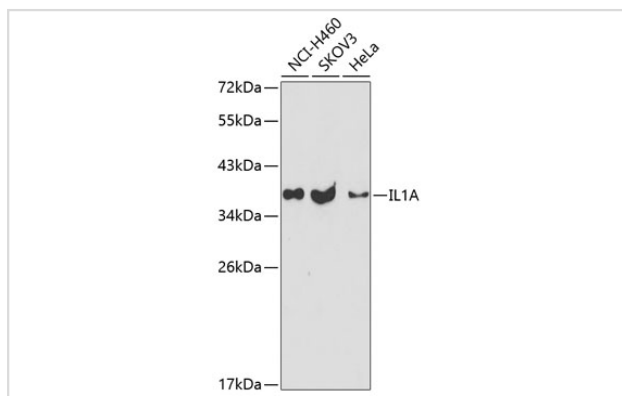
Description

Product Name	IL1A Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were purified by affinity purification using immunogen.
Applications	WB
Species Reactivity	Human,Mouse,Rat
Specificity	The antibody detects endogenous level of total IL1A protein.
Immunogen Type	Recombinant Protein
Immunogen Description	Recombinant protein of human IL1A.
Target Name	IL1A
Other Names	IL-1A; IL1; IL1-ALPHA; IL1F1;
Accession No.	Swiss-Prot:P01583NCBI Gene ID:3552
Uniprot	P01583
GeneID	3552;
SDS-PAGE MW	31KD
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

Application Details

WB □ 1:500 - 1:2000

Images



Western blot analysis of extracts of various cell lines, using IL1A at 1:1000 dilution.

Background

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

Note: This product is for in vitro research use only