

IL1A

Reactivity:Human

Tested applications:WB IHC

Recommended Dilution:WB 1:500 - 1:2000 IHC 1:50 - 1:200

Calculated MW:31kDa

Observed MW:Refer to Figures

Immunogen:

Recombinant protein of human IL1A

Storage Buffer:

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Concentration:

bip

Synonym:

IL-1A; IL1; IL1-ALPHA; IL1F1;

Catalog #:A2170

Antibody Type:

Polyclonal Antibody

Species:Rabbit

Gene ID:3552

Isotype:IgG

Swiss Prot:P01583

Purity:Affinity purification

For research use only.

Background:

IL-1 is a pro-inflammatory cytokine produced by activated monocytes, lymphocytes and epithelial cells (1). IL-1 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 are primarily retained intracellularly rather than constitutively secreted. (1,2). Signaling by IL-1 involves IL-1 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 NFB pathways (1,2). IL-1 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 activity is through IL-1R antagonist (IL-1Ra) that binds IL-1R1 but does not signal. IL-1 has been shown to be a key mediator of virus-induced inflammatory responses in mice (3).

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