

Product datasheet for **TA327311**

IL1 alpha (IL1A) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB 1:500 - 1:2000
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Recombinant protein of human IL1A
Formulation:	Store at -20C or -80C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3
Concentration:	lot specific
Purification:	Affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	interleukin 1 alpha
Database Link:	NP_000566 Entrez Gene 3552 Human P01583



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Background:

IL-1a is a pro-inflammatory cytokine produced by activated monocytes, lymphocytes and epithelial cells. IL-1a is synthesized as an active precursor protein that appears to be cleaved by cytosolic proteases into its mature form. Often, precursor and mature forms of IL-1a are primarily retained intracellularly rather than constitutively secreted. Signaling by IL-1a involves IL-1a binding to an IL-1 accessory protein (IL-1-AcP) and then the complex binds to IL-1RI. Signaling is through activation of MAP kinase and NF κ B pathways. IL-1a also binds to an IL-RII that lacks an intracellular signaling domain and thereby serves as a high affinity decoy receptor. Inhibition of IL-1a activity is through IL-1R antagonist (IL-1Ra) that binds IL-1R1 but does not signal. IL-1a has been shown to be a key mediator of virus-induced inflammatory responses in mice.

Synonyms:

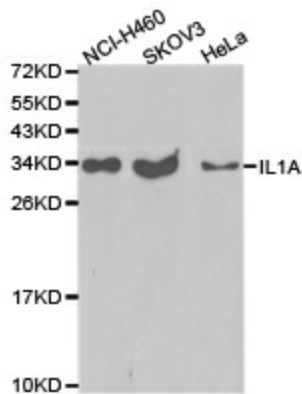
IL-1A; IL1; IL1-ALPHA; IL1F1

Protein Families:

Druggable Genome, Secreted Protein

Protein Pathways:

Apoptosis, Cytokine-cytokine receptor interaction, Graft-versus-host disease, Hematopoietic cell lineage, MAPK signaling pathway, Prion diseases, Type I diabetes mellitus

Product images:

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