

Product Datasheet

Anti-IL1- β Rabbit pAb



For Research Use Only. Not For Use In Diagnostic Procedures

Product Information

Product name	Anti-IL1- β Rabbit pAb	
Source	Rabbit	
Species reactivity	Human, Mouse, Rat, Guinea pig	
Tested applications	WB	1:500-1:1000
	IHC	1:100-1:200
Cellular localization	Cytoplasm. Lysosome. Secreted.	
Pack size	50/100/200/500/1000 μ l	
Storage	Store at -20°C. Avoid freeze/thaw cycles.	
Storage buffer	Supplied in 20 mM phosphate (pH 7.5), 150 mM NaCl, 100 μ g/ml BSA, 50% glycerol and less than 0.02% sodium azide	

General Information

Background

Two forms of interleukin-1, designated IL-1 α and IL-1 β , have been described. IL-1 β is a pro-inflammatory cytokine produced predominantly by activated monocytes and epithelial cells. Precursor IL-1 β is cleaved by caspase-1 and mature IL-1 β is then secreted. Signaling by IL-1 β involves IL-1 β binding to 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-1 β also binds to IL-1RII that lacks an intracellular signaling domain and thereby serves as a high affinity decoy receptor. IL-1 β binding to IL-1RI is inhibited by the negative regulator, IL-1R antagonist (IL-1Ra).

Immunogen

Polyclonal antibody is produced by immunizing animals with recombinant protein of IL1- β .

Purification

Polyclonal antibody was purified by immunogen affinity chromatography.

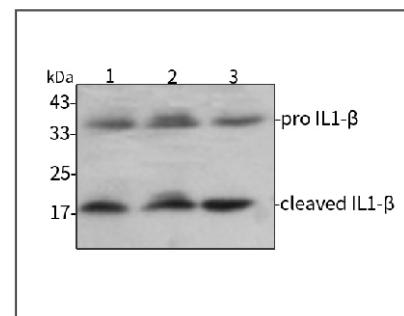
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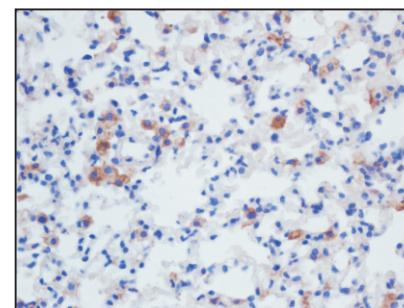
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Product Images



Western blot-Anti-IL1- β pAb

Lane 1: Human HepG2 cell lysate
Lane 2: Human Hela cell lysate
Lane 3: Human BGC-823 cell lysate
All lanes: Anti-IL1- β at 1:1000 dilution
Lysates/proteins at 20-50 μ g per lane.
Predicted band size: 30 kDa
Observed band size: pro 35 kDa
cleaved 17kDa



Immunohistochemistry-Anti-IL1- β pAb

Immunohistochemical analysis of paraffin-embedded mouse lung using anti-IL1- β Rabbit Antibody at 1:200 dilution.
Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0