

For Research Use Only

IL-1 beta Polyclonal antibody

Catalog Number: 32245-1-AP



Basic Information

Catalog Number: 32245-1-AP	GenBank Accession Number: BC008678	Purification Method: Antigen affinity Purification
Size: 350 ug/ml	GeneID (NCBI): 3553	Recommended Dilutions: WB 1:1000-1:8000
Source: Rabbit	ENSEMBL Gene ID: ENSG00000125538	
Isotype: IgG	UNIPROT ID: P01584	
Immunogen Catalog Number: AG37117	Full Name: interleukin 1, beta	
	Calculated MW: 269 aa, 31 kDa	
	Observed MW: 35 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : THP-1 cells,
Species Specificity: human	

Background Information

Interleukin-1 is a pro-inflammatory cytokine with multiple biological effects. The IL-1 gene family encodes three proteins: IL-1 α , IL-1 β and their naturally occurring inhibitor IL-1RN. IL-1 Beta(IL-1 β), mainly produced by blood monocytes and tissue macrophages, has been implicated in mediating both acute and chronic inflammation. IL-1 β is known to be involved in a variety of cellular activities, including cell proliferation, differentiation and apoptosis. IL-1 β is emerging as a key mediator of carcinogenesis that characterizes host-environment interactions. Human IL-1 β is synthesized as a 31 kDa precursor. To gain activity, the precursor must be cleaved by caspase-1 between Asp116 and Ala117 to yield a 17 kDa mature form.

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

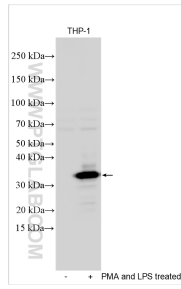
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Selected Validation Data



Untreated and PMA and LPS treated THP-1 cells were subjected to SDS PAGE followed by western blot with 32245-1-AP (IL-1 beta antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.