

# IL-1 beta Polyclonal antibody

Catalog Number: 30234-1-AP

## Basic Information

<b>Catalog Number:</b> 30234-1-AP	<b>GenBank Accession Number:</b> NM_000576	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 550 µg/ml	<b>GeneID (NCBI):</b> 3553	<b>Recommended Dilutions:</b> WB 1:500-1:2000
<b>Source:</b> Rabbit	<b>ENSEMBL Gene ID:</b> ENSG00000125538	
<b>Isotype:</b> IgG	<b>UNIPROT ID:</b> P01584	
<b>Immunogen Catalog Number:</b> AG30574	<b>Full Name:</b> interleukin 1, beta	
	<b>Calculated MW:</b> 31 kDa	
	<b>Observed MW:</b> 31 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : THP-1 cells, U-87 MG cells
<b>Species Specificity:</b> Human	

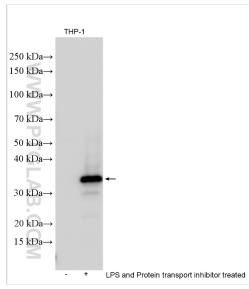
## Background Information

Interleukin-1, produced mainly by blood monocytes, mediates the panoply of host reactions collectively known as acute phase response. It is identical to endogenous pyrogen. The multiple biologic activities that define IL1 are properties of a 15- to 18-kD protein that is derived from a 30- to 35-kD precursor. Interleukin 1 $\beta$  (IL-1B) is a member of the interleukin 1 cytokine family. It is a pro-inflammatory cytokine against infection, playing an important role in the pathogenesis of cancers. It signals through various adaptor proteins and kinases that lead to activation of numerous downstream targets

## 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

## Selected Validation Data



Untreated, LPS and Protein transport inhibitor treated THP-1 cells were subjected to SDS PAGE followed by western blot with 30234-1-AP (IL1B antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.