

# IL1 beta Polyclonal ANTIBODY

Catalog Number: 16806-1-AP

111 Publications

## Basic Information

Catalog Number:  
16806-1-AP

Size:  
29 µg/150 µl

Source:  
Rabbit

Isotype:  
IgG

Purification Method:  
Antigen affinity purification

Immunogen Catalog Number:  
AG10295

GenBank Accession Number:  
BC008678

GeneID (NCBI):  
3553

Full Name:  
interleukin 1, beta

Calculated MW:  
269aa, 31 kDa

Observed MW:  
30-35 kDa

Recommended Dilutions:

WB 1:200-1:1000  
IF 1:50-1:500

## Applications

Tested Applications:

IF, WB, ELISA

Cited Applications:

IF, IHC, WB

Species Specificity:

human

Cited Species:

human, zebrafish

Positive Controls:

WB : A431 cells; human adrenal gland tissue

IF : HeLa cells;

## 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. The expression level of IL-1B is very low.

## Notable Publications

Author	Pubmed ID	Journal	Application
Chuyue Zhang	30272163	Hum Reprod	WB
Zhen Liu	30232930	Mbl Pain	WB
Qiong Shi	26362205	Int Immunopharmacol	WB

## 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

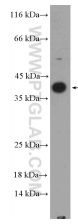
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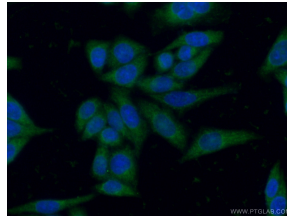
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## Selected Validation Data



A431 cells were subjected to SDS PAGE followed by western blot with 16806-1-AP( IL1 beta antibody at dilution of 1:300 incubated at room temperature for 1.5 hours



Immunofluorescent analysis of (-20l Ethanol ) fixed HeLa cells using 16806-1-AP(IL1 beta antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)