

For Research Use Only

IL-1 beta Polyclonal antibody

Catalog Number: 29530-1-AP

6 Publications



Basic Information

Catalog Number:

29530-1-AP

Size:

150ul, Concentration: 700 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_031512

GeneID (NCBI):

24494

UNIPROT ID:

Q63264

Full Name:

interleukin 1 beta

Calculated MW:

31 kDa

Observed MW:

31 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:6000

Applications

Tested Applications:

WB, ELISA

Cited Applications:

WB

Species Specificity:

mouse, rat

Cited Species:

human, mouse, rat

Positive Controls:

WB: LPS and Brefeldin A treated RAW 264.7 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 β (IL-1 β) 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.

Notable Publications

Author	Pubmed ID	Journal	Application
Xinxin Yang	39163761	Clin Nutr	WB
Qiqi Yan	38870883	Int Immunopharmacol	WB
Bing Li	38375215	iScience	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

*** 20ul sizes contain 0.1% BSA

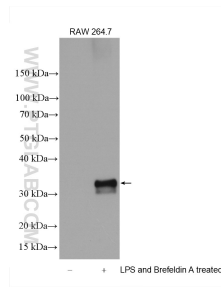
For technical support and original validation data for this product please contact:

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Selected Validation Data



Untreated RAW 264.7 cells, RAW 264.7 cell (treated with 100 ng/ml LPS for 3h, then add 300 ng/ml Brefeldin A for at least 3h) were subjected to SDS PAGE followed by western blot with 29530-1-AP (IL1 beta antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.