

For Research Use Only

# IL-33 Polyclonal antibody

Catalog Number: 12372-1-AP

Featured Product

37 Publications



## Basic Information

### Catalog Number:

12372-1-AP

### Size:

150ul, Concentration: 450 ug/ml by Nanodrop;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG2957

### GenBank Accession Number:

BC047085

### GeneID (NCBI):

90865

### UNIPROT ID:

O95760

### Full Name:

interleukin 33

### Calculated MW:

30 kDa

### Observed MW:

31 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB: 1:500-1:1000

IHC: 1:200-1:800

## Applications

### Tested Applications:

WB, IHC, ELISA

### Cited Applications:

WB, IHC, IF, ELISA

### Species Specificity:

human

### Cited Species:

human, mouse, rat

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

### Positive Controls:

WB : HUVEC cells, Recombinant protein, PMA, LPS and Brefeldin A treated THP-1 cells, HeLa cells

IHC : human tonsillitis tissue,

## Background Information

IL-33 is an IL-1 family cytokine and nuclear alarmin, is constitutively expressed in epithelial barrier tissues and human blood vessels. IL-33 is involved in the maturation of Th2 cells and the activation of mast cells, basophils, eosinophils and natural killer cells. It also acts as a chemoattractant for Th2 cells, and may function as an "alarmin", that amplifies immune responses during tissue injury.

## Notable Publications

Author	Pubmed ID	Journal	Application
Xun Chen	36179418	Int Immunopharmacol	WB,IHC
P Li	25251808	Clin Exp Dermatol	IF
Qing-Hua Liu	36187404	World J Gastrointest Oncol	IHC,ELISA

## Storage

### Storage:

Store at -20°C. Stable for one year after shipment.

### Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

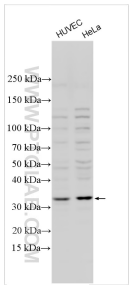
For technical support and original validation data for this product please contact:

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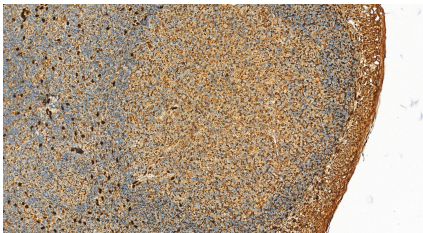
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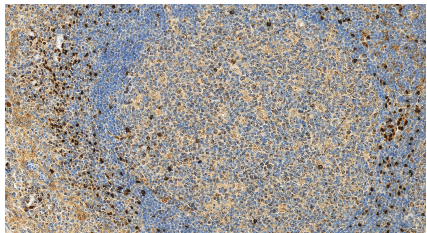
# Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 12372-1-AP (IL-33 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 12372-1-AP (IL-33 antibody) at dilution of 1:400 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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