

For Research Use Only

# IL-2 Polyclonal antibody

Catalog Number: 26156-1-AP

15 Publications



## Basic Information

Catalog Number:

26156-1-AP

Concentration:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG24079

GenBank Accession Number:

NM-008366

GeneID (NCBI):

16183

Full Name:

interleukin 2

Calculated MW:

19 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IHC 1:50-1:500

## Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB, IHC, IF, Cell treatment

Species Specificity:

human, mouse

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** : PMA, Ionomycin and Brefeldin A treated EL-4 cells,

**IHC** : human liver cancer tissue, human tonsillitis tissue

## Background Information

Interleukin-2 (IL2) is a protein initially identified as a T cell growth factor. IL2 is mainly produced by activated CD4+CD25- (helper) T cells, and induces the proliferation of these and others cells like CD8+ T cells, B and NK cells. For this reason, it has been used to treat immune-deficiencies like HIV, and induce immune response against tumors. Nevertheless, it has been shown that IL2 also acts as the main growth factor of CD4+CD25+ Regulatory T cells. Interleukin 2 mediates its functions in the target cell through the interleukin 2 receptor (IL2R). IL2R is a multimeric functional protein consisting of three different chains: IL2R $\alpha$ , IL2R $\beta$  and  $\gamma$  c.

## Notable Publications

Author	Pubmed ID	Journal	Application
Abdolrazagh Hashemi Shahraki	35717488	Lung	WB
Dongxu Lin	35755168	J Immunol Res	WB
Ziying Shen	29426338	Lipids Health Dis	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

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

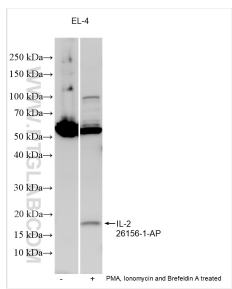
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

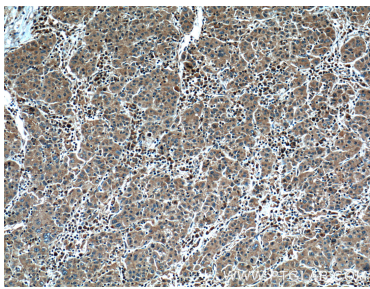
W: [ptgcn.com](http://ptgcn.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

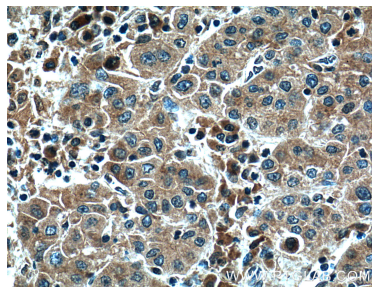
## Selected Validation Data



PMA, A23187 and Brefeldin A treated EL-4 cells were subjected to SDS PAGE followed by western blot with 26156-1-AP (IL-2 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 26156-1-AP (IL2 Antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 26156-1-AP (IL2 Antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).