

For Research Use Only

IL-18 Polyclonal antibody

Catalog Number: 10663-1-AP

Featured Product

370 Publications



Basic Information

Catalog Number:

10663-1-AP

Concentration:

750 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG1063

GenBank Accession Number:

BC007461

GeneID (NCBI):

3606

UNIPROT ID:

Q14116

Full Name:

IL-18

Calculated MW:

193 aa, 22 kDa

Observed MW:

22 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB: 1:5000-1:50000

IP: 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IF/ICC: 1:50-1:500

FC (Intra): 0.20 ug per 10⁶ cells in a 100 µl suspension

Applications

Tested Applications:

WB, IF/ICC, FC (Intra), IP, ELISA

Cited Applications:

WB, IHC, IF, IP

Species Specificity:

human

Cited Species:

human

Positive Controls:

WB : A431 cells, HeLa cells, DU 145 cells, HaCaT cell, HaCaT cells

IP : HeLa cells,

IF/ICC : HeLa cells,

FC (Intra) : HeLa cells,

Background Information

IL18, is a proinflammatory cytokine involved in the development of Th1 cells and in immune response. It can stimulate the NK cells and certain T cells to release IFN gamma which plays an important role in activating the macrophages or other cells. IL18 has been demonstrated to have the potential to enhance Fas ligand-mediated cytotoxicity, which is increased in PE and regulates placental apoptosis. IL18 is synthesized as a 22 kDa precursor and then cleaved into a biologically active 18 kDa form. This antibody 10663-1-AP is raised against the full length IL18 precursor, and it recognizes both the pre-IL18 and mature IL18 theoretically.

Notable Publications

| Author | Pubmed ID | Journal | Application |
|-----------------------|-----------|-------------------|-------------|
| JiangFan Yu | 36248980 | Front Oncol | WB |
| Zhifang Li | 34559953 | CNS Neurosci Ther | WB |
| Deepavali Chakravarti | 32958778 | Nat Commun | WB |

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

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

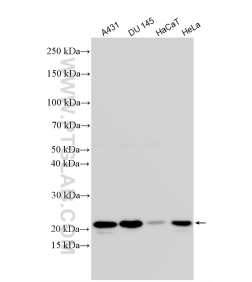
T: 4006900926

E: Proteintech-CN@ptglab.com

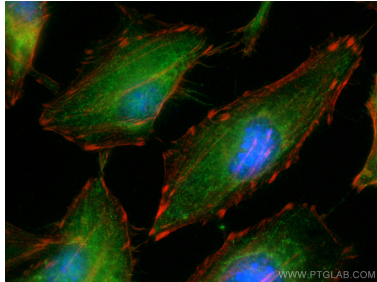
W: ptgcn.com

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

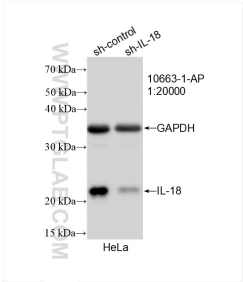
Selected Validation Data



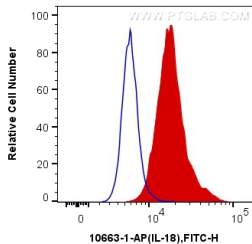
Various lysates were subjected to SDS PAGE followed by western blot with 10663-1-AP (IL-18 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



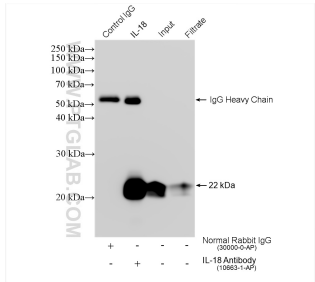
Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using IL-18 antibody (10663-1-AP) at dilution of 1:200 and CoraLite® 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).



WB result of IL-18 antibody (10663-1-AP; 1:20000; incubated at room temperature for 1.5 hours) with sh-Control and sh-IL-18 transfected HeLa cells.



1X10⁶ HeLa cells were intracellularly stained with 0.2 ug Anti-Human IL-18 (10663-1-AP) and CoraLite® 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.2 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



IP result of anti-IL-18 (IP:10663-1-AP, 4ug; Detection:10663-1-AP 1:5000) with HeLa cells lysate 1360ug.