

For Research Use Only

IL-18 Monoclonal antibody

Catalog Number: 60070-1-Ig

Featured Product

27 Publications



Basic Information

Catalog Number: 60070-1-Ig	GenBank Accession Number: BC007461	Purification Method: Protein A purification
Size: 150ul , Concentration: 1000 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 3606	CloneNo.: 5C6F8
Source: Mouse	UNIPROT ID: Q14116	Recommended Dilutions: WB 1:2000-1:10000 IHC 1:500-1:2000 IF 1:200-1:800
Isotype: IgG2b	Full Name: IL-18	
Immunogen Catalog Number: AG1063	Calculated MW: 193 aa, 22 kDa	
	Observed MW: 24 kDa	

Applications

Tested Applications: IF, IHC, WB, ELISA	Positive Controls: WB : U2OS cells, HeLa cells, HepG2 cells, A549 cells IHC : human tonsillitis tissue, human stomach cancer tissue IF : human tonsillitis tissue,
Cited Applications: IF, IHC, WB	
Species Specificity: human	
Cited Species: human, rat	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

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 24 kDa precursor and then cleaved into a biologically activate 18 kDa form.

Notable Publications

Author	Pubmed ID	Journal	Application
Zhiqian Ding	36274828	J Inflamm Res	WB
Kyosuke Yamanishi	34708129	Biomed Res Int	IF
Zhangjin Qin	35624482	J Neuroinflammation	WB

Storage

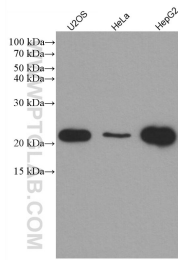
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.1% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

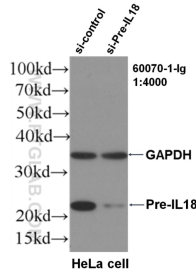
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

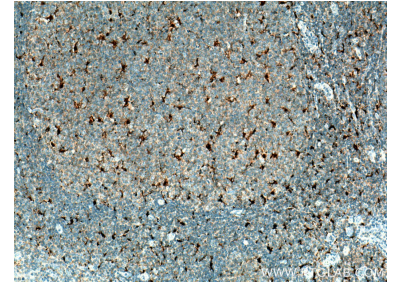
Selected Validation Data



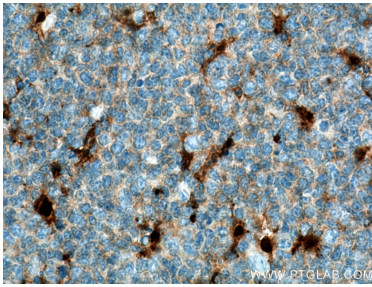
Various lysates were subjected to SDS PAGE followed by western blot with 60070-1-Ig (IL18 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



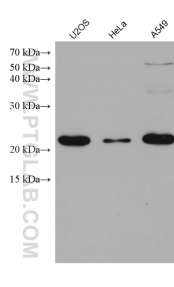
WB result of Pre-IL18 antibody (60070-1-Ig, 1:4000) with si-Control and si-Pre-IL18 transfected HeLa cells..



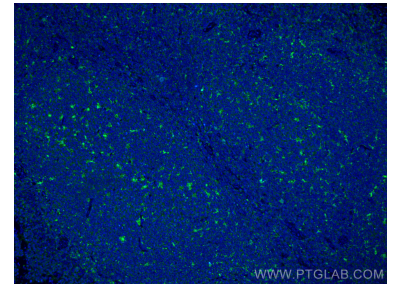
Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 60070-1-Ig (IL18 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 60070-1-Ig (IL18 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Various lysates were subjected to SDS PAGE followed by western blot with 60070-1-Ig (IL-18 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed human tonsillitis tissue using IL-18 antibody (60070-1-Ig, Clone: 5C6F8) at dilution of 1:400 and CoraLite@488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).