

For Research Use Only

IL-27A Monoclonal antibody

Catalog Number: 66164-1-Ig **1 Publications**



Basic Information

Catalog Number: 66164-1-Ig	GenBank Accession Number: BC062422	Purification Method: Protein A purification
Size: 150ul, Concentration: 2100 ug/ml by Nanodrop and 1307 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 246778	CloneNo.: 1E1H5
Source: Mouse	UNIPROT ID: Q8NEV9	Recommended Dilutions: WB 1:2000-1:20000 IHC 1:20-1:200
Isotype: IgG2b	Full Name: interleukin 27	
Immunogen Catalog Number: AG21436	Calculated MW: 243 aa, 27 kDa	
	Observed MW: 31 kDa	

Applications

Tested Applications: WB, IHC, ELISA	Positive Controls: WB : Recombinant protein, Ag21436 IHC : human placenta tissue,
Cited Applications: IHC	
Species Specificity: human	
Cited Species: human	
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

IL-27, as a member of the IL-6/IL-12 family, is a heterodimeric cytokine composed of two subunits: p28 (IL-27a) and EBI3 (IL-27b). IL-27 acts on various cell types, including T cells, B cells, macrophages, dendritic cells, natural killer (NK) cells and non-hematopoietic cells. IL-27 plays a critical role in the early regulation of T helper type 1 initiation, and enhances proliferation of naive CD4+T cells and naive B cells. It, however, also exerts anti-inflammatory functions by inhibiting the development of Th17 cells and inducing IL-10 producing type 1 regulatory T cells. IL-27 is a potentially promising cytokine for therapeutic approaches on various human diseases.

Notable Publications

Author	Pubmed ID	Journal	Application
Yusuke Shimizu	33419819	Anticancer Res	IHC

Storage

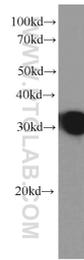
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

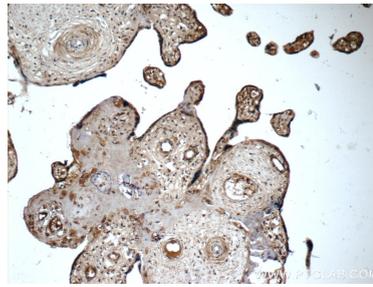
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

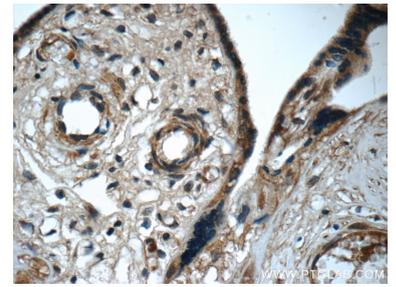
Selected Validation Data



IL27 fusion protein were subjected to SDS PAGE followed by western blot with 66164-1-Ig (IL-27 antibody at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 66164-1-Ig (IL-27 antibody at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 66164-1-Ig (IL-27 antibody at dilution of 1:50 (under 40x lens).