

For Research Use Only

EBI3 Polyclonal antibody

Catalog Number: 12371-1-AP

Featured Product

3 Publications



Basic Information

Catalog Number:

12371-1-AP

Size:

150ul, Concentration: 300 ug/ml by Nanodrop and 233 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG3051

GenBank Accession Number:

BC015364

GeneID (NCBI):

10148

UNIPROT ID:

Q14213

Full Name:

Epstein-Barr virus induced 3

Calculated MW:

229 aa, 25 kDa

Observed MW:

25-35 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

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

IHC 1:50-1:500

Applications

Tested Applications:

WB, IP, IHC, ELISA

Cited Applications:

WB, IF

Species Specificity:

human, pig

Cited Species:

human, mouse

Positive Controls:

WB : human placenta tissue, pig spleen tissue

IP : human placenta tissue,

IHC : human spleen tissue, human placenta tissue

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

EBI3, a 34-kDa secreted glycoprotein, is a subunit in 2 distinct heterodimeric cytokines: IL-27 and IL-35. IL-27, composed of p28 (IL-27) and EBI3, can trigger signaling in T cells, B cells, and myeloid cells. IL-35, composed of EBI3 and the ubiquitously expressed p35 subunit of IL-12, is an inhibitory cytokine involved in regulatory T-cell function. EBI3 plays a role in regulating cell-mediated immune responses. (PMID: 8551575; 18033300; 17874423; 21931777)

Notable Publications

Author	Pubmed ID	Journal	Application
Qi Zuo	34145061	J Immunol	WB
Tong Zhang	36548354	PLoS One	WB, IF
Jia-Hui Deng	30753412	Pathog Dis	IF

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

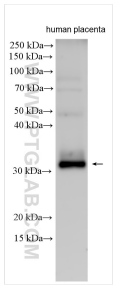
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

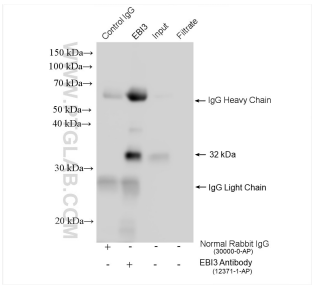
E: proteintech@ptglab.com
W: ptglab.com

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

Selected Validation Data



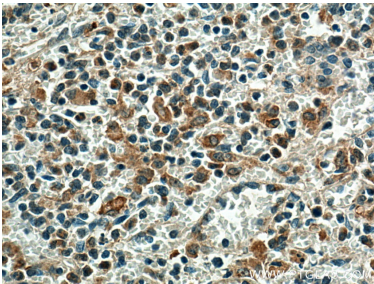
human placenta tissue was subjected to SDS PAGE followed by western blot with 12371-1-AP (EBI3 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



IP result of anti-EBI3 (IP:12371-1-AP, 4ug; Detection:12371-1-AP 1:800) with human placenta tissue lysate 600 ug.



Immunohistochemical analysis of paraffin-embedded human spleen tissue slide using 12371-1-AP (EBI3 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 spleen tissue slide using 12371-1-AP (EBI3 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).