

For Research Use Only

PSTPIP1 Polyclonal antibody

Catalog Number: 11951-1-AP **2 Publications**



Basic Information

Catalog Number: 11951-1-AP	GenBank Accession Number: BC008602	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 200 µg/ml by Nanodrop and 133 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 9051	Recommended Dilutions: WB 1:200-1:1000 IHC 1:20-1:200
Source: Rabbit	UNIPROT ID: O43586	
Isotype: IgG	Full Name: proline-serine-threonine phosphatase interacting protein 1	
Immunogen Catalog Number: AG2551	Calculated MW: 416 aa, 48 kDa	
	Observed MW: 45-48 kDa	

Applications

Tested Applications: WB, IHC, ELISA	Positive Controls:
Cited Applications: WB, IHC	WB: mouse thymus tissue,
Species Specificity: human, mouse, rat	IHC: human brain tissue,
Cited Species: human, mouse	

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

PSTPIP1 (proline-serine-threonine phosphatase interacting protein 1), also known as CD2BP1, is a cytoskeleton-associated adaptor protein that links PEST-type phosphatases to their substrates (PMID: 19584923). It is involved in regulation of the actin cytoskeleton. Preferentially expressed in hematopoietic tissues, PSTPIP1 binds to the cytoplasmic tail of CD2, negatively affecting CD2-triggered T cell activation (PMID: 16670297). It has also been shown to interact with ABL1, PTPN18, WAS, CD2AP, PTPN12 and MEFV/pyrin. Mutations in the gene of PSTPIP1 cause PAPA syndrome (Pyogenic sterile Arthritis, Pyoderma gangrenosum, and Acne), an autoinflammatory disease (PMID:11971877; 14595024).

Notable Publications

Author	Pubmed ID	Journal	Application
Xiaomeng Pei	33125582	AMB Express	WB
Zhi Xia	35571056	Front Genet	IHC

Storage

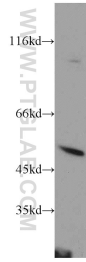
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

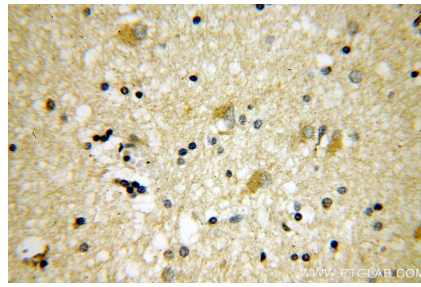
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

Selected Validation Data



mouse thymus tissue were subjected to SDS PAGE followed by western blot with 11951-1-AP (PSTPIP1 antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human brain using 11951-1-AP (PSTPIP1 antibody) at dilution of 1:50 (under 40x lens).