

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: 750 µg/ml	GeneID (NCBI): 9051	Recommended Dilutions: WB 1:1000-1:4000 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: WB : THP-1 cells, mouse thymus tissue IHC : human brain tissue,
Cited Applications: WB, IHC	
Species Specificity: human, mouse, rat	
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

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

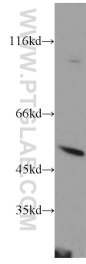
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E: Proteintech-CN@ptglab.com

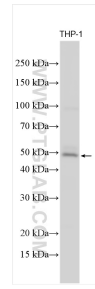
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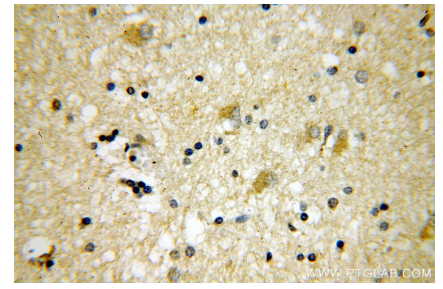
Selected Validation Data



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.



THP-1 cells were subjected to SDS PAGE followed by western blot with 11951-1-AP (PSTPIP1 antibody) at dilution of 1:2000 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).