

For Research Use Only

TPSAB1 Monoclonal antibody

Catalog Number: 66174-1-Ig **1 Publications**



Basic Information

Catalog Number: 66174-1-Ig	GenBank Accession Number: BC028059	Purification Method: Protein A purification
Size: 150ul , Concentration: 1000 ug/ml by Nanodrop and 389 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 7177	CloneNo.: 6A10G1
Source: Mouse	UNIPROT ID: Q15661	Recommended Dilutions: WB 1:500-1:2000 IHC 1:20-1:200
Isotype: IgG1	Full Name: tryptase alpha/beta 1	
Immunogen Catalog Number: AG4167	Calculated MW: 275 aa, 31 kDa	
	Observed MW: 31 kDa	

Applications

Tested Applications: WB, IHC, ELISA	Positive Controls: WB : human kidney tissue, IHC : human tonsillitis 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

TPSAB1(Tryptase alpha/beta-1) is also named as TPS1, TPS2, TPSB1 and belongs to the peptidase S1 family. It is the major neutral protease present in mast cells and secreted upon the coupled activation-degranulation response of this cell type. TPSAB1 has 2 isoforms produced by alternative splicing with the molecular weight of 31 kDa and 29 kDa. This full length protein has two glycosylation sites.

Notable Publications

Author	Pubmed ID	Journal	Application
Feifei Song	36402931	Oncogene	IHC

Storage

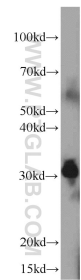
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

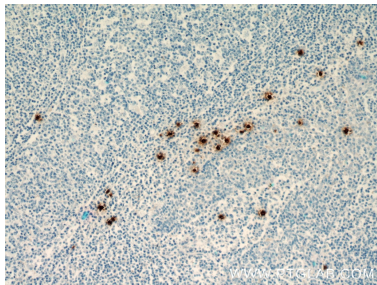
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

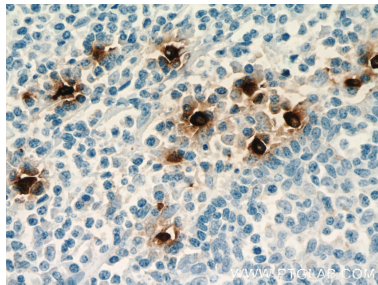
Selected Validation Data



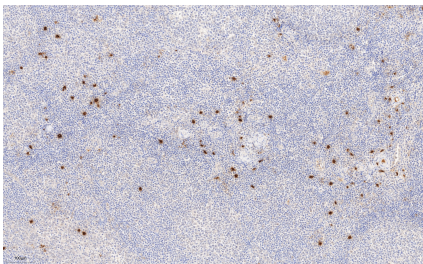
human kidney tissue were subjected to SDS PAGE followed by western blot with 66174-1-Ig (TPSAB1 Antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 66174-1-Ig (TPSAB1 antibody) at dilution of 1:5000 (under 10x lens) microwave oven heating mediated antigen retrieved with .



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 66174-1-Ig (TPSAB1 antibody) at dilution of 1:5000 (under 40x lens) microwave oven heating mediated antigen retrieved with .



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 66174-1-Ig (TPSAB1 antibody) at dilution of 1:20000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).