

For Research Use Only

# TPSAB1 Monoclonal antibody

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



## Basic Information

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

## Applications

<b>Tested Applications:</b> IHC, WB, ELISA	<b>Positive Controls:</b> WB : human kidney tissue, IHC : human tonsillitis tissue,
<b>Cited Applications:</b> IHC	
<b>Species Specificity:</b> human	
<b>Cited Species:</b> human	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## 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

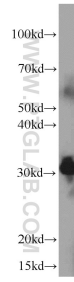
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

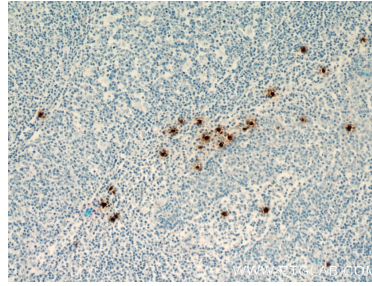
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

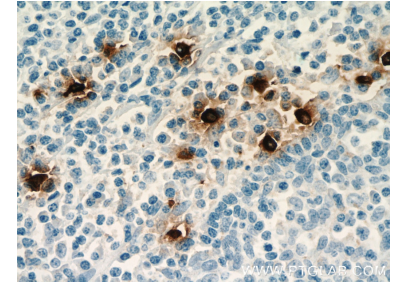
## Selected Validation Data



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 .