For Research Use Only

TPSAB1 Monoclonal antibody

Catalog Number:66174-1-Ig 1 Publications

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Basic Information

Catalog Number:
66174-1-Ig

Size:
150ul , Concentration: 1000 µg/ml by Nanodrop and 389 µg/ml by Bradford method using BSA as the standard;

Source:
Mouse

Isotype:
IgG1

Immunogen Catalog Number:
AG4167

GenBank Accession Number:
BC028059

GeneID (NCBI):
7177

UNIPROT ID:
Q15661

Full Name:
tryptase alpha/beta 1

Calculated MW:
275 aa, 31 kDa

Observed MW:
31 kDa

Purification Method:
Protein A purification

CloneNo.:
6A10G1

Recommended Dilutions:
WB 1:500-1:2000
IHC 1:20-1:200

Applications

Tested Applications:
WB, IHC, ELISA

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

Positive Controls:

WB : human kidney tissue,

IHC : human tonsillitis tissue,

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

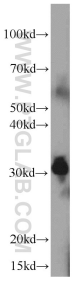
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

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

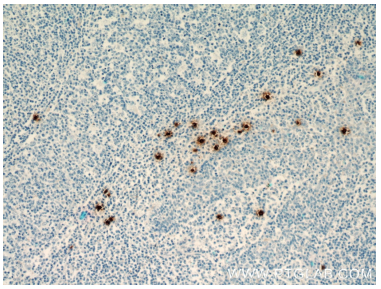
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

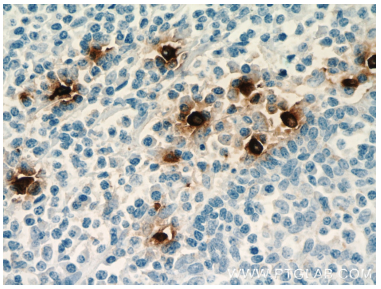
Selected Validation Data



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 .