

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 |
| Concentration: 1000 ug/ml | 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: |
| Cited Applications: IHC | WB : human kidney tissue, IHC : human tonsillitis tissue, |
| 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, pH7.3
Aliquoting is unnecessary for -20°C storage

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

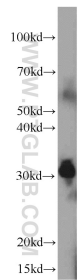
T: 4006900926

E: Proteintech-CN@ptglab.com

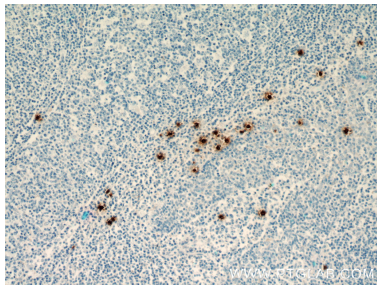
W: ptgcn.com

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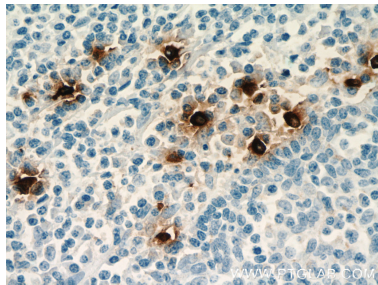
Selected Validation Data



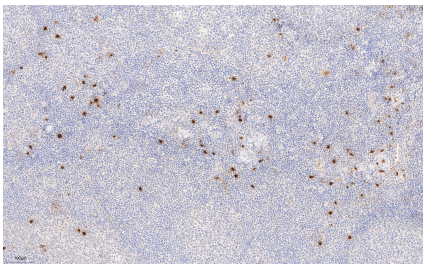
human kidney tissue were subjected to SDS PAGE followed by western blot with 66174-1-Ig (TPSAB1 Antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



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).