

Stomatin Monoclonal antibody

Catalog Number: 67894-1-Ig

Basic Information

Catalog Number: 67894-1-Ig	GenBank Accession Number: BC010703	Purification Method: Protein G purification
Size: 1000 µg/ml	GeneID (NCBI): 2040	CloneNo.: 1A4D6
Source: Mouse	UNIPROT ID: P27105	Recommended Dilutions: WB 1:2000-1:10000 IHC 1:50-1:500
Isotype: IgG1	Full Name: stomatin	
Immunogen Catalog Number: AG2676	Calculated MW: 288 aa, 32 kDa Observed MW: 32 kDa	

Applications

Tested Applications:
IHC, WB, ELISA

Species Specificity:
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 placenta tissue, HeLa cells, human
peripheral blood platelets, human testis tissue

IHC : human lung cancer tissue,

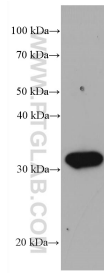
Background Information

STOM, also named as BND7, EPB72, Stomatin and Protein 7.2b, belongs to the band 7/mec-2 family. It is thought to regulate cation conductance. STOM may regulate ACCN1 and ACCN3 gating. STOM is a membrane protein involved in regulation of monovalent cation transport through lipid membranes. Interestingly, STOM (which has a structure similar to caveolin) is a major lipid-raft component of erythrocytes. It may have a role in membrane microdomains modulation leading to membrane budding and MPs release.(PMID:19138258)

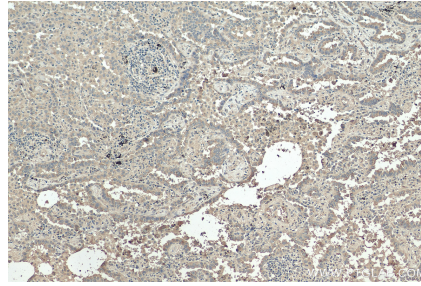
Storage

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

Selected Validation Data



human placenta tissue were subjected to SDS PAGE followed by western blot with 67894-1-Ig (Stomatin antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 67894-1-Ig (Stomatin antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).