

For Research Use Only

# 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:	150ul , Concentration: 1000 ug/ml by Nanodrop;	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:  
WB, IHC, 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

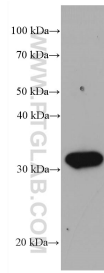
Storage:  
Store at -20°C.  
Storage Buffer:  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

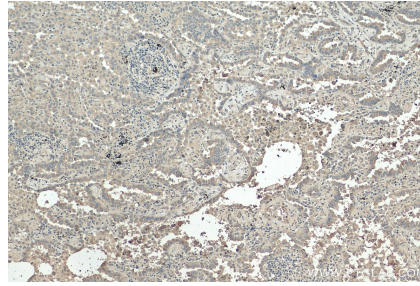
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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## 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).