

For Research Use Only

STBD1 Monoclonal antibody

Catalog Number: 67018-1-Ig **2 Publications**



Basic Information

Catalog Number: 67018-1-Ig	GenBank Accession Number: BC022301	Purification Method: Protein A purification
Size: 1500 µg/ml	GeneID (NCBI): 8987	CloneNo.: 1A2G2
Source: Mouse	UNIPROT ID: O95210	Recommended Dilutions: WB 1:5000-1:50000 IHC 1:250-1:1000
Isotype: IgG1	Full Name: starch binding domain 1	
Immunogen Catalog Number: AG28613	Calculated MW: 41 kDa	
	Observed MW: 38 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls: WB : LNCaP cells, HEK-293 cells, A549 cells, HeLa cells, HepG2 cells IHC : human liver cancer tissue,
Cited Applications: WB, IP, IF, IHC	
Species Specificity: Human, mouse	
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

STBD1 may have the capability to bind to carbohydrates. It functions as a glycogen receptor that tethers glycogen to autophagic membranes for delivery and breakdown in lysosomes. STBD1 appears molecular mass of 35-38 kDa band in mouse/rat tissues and 38-43 kDa in human tissue.

Notable Publications

Author	Pubmed ID	Journal	Application
Zhu Han	34059679	Nat Commun	IHC
Nannan Zhou	38099490	J Clin Invest	WB,IF,IP

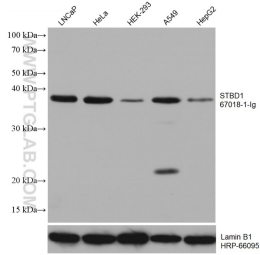
Storage

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

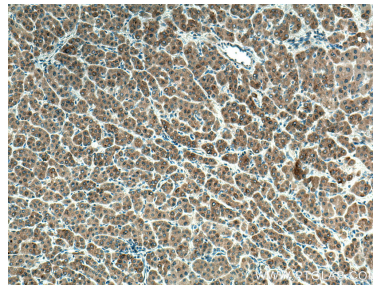
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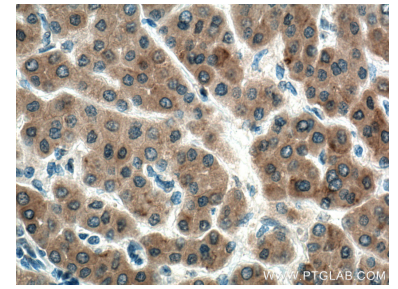
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 67018-1-Ig (STBD1 antibody) at dilution of 1:16000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Lamin B1 Monoclonal antibody (HRP-66095) as loading control.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 67018-1-Ig (STBD1 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 67018-1-Ig (STBD1 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).