

For Research Use Only

STBD1 Monoclonal antibody, PBS Only (Capture)

Catalog Number: 67018-1-PBS



Basic Information

Catalog Number: 67018-1-PBS	GenBank Accession Number: BC022301	Purification Method: Protein A purification
Size: 1mg/ml	GeneID (NCBI): 8987	CloneNo.: 1A2G2
Source: Mouse	UNIPROT ID: O95210	
Isotype: IgG1	Full Name: starch binding domain 1	
Immunogen Catalog Number: AG28613	Calculated MW: 41 kDa	
	Observed MW: 38 kDa	

Applications

Tested Applications:
WB, IHC, IF/ICC, Cytometric bead array, Indirect ELISA

Species Specificity:
human, mouse

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.

Storage

Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS Only

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

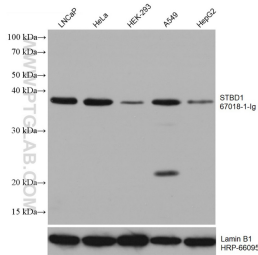
T: 4006900926

E: Proteintech-CN@ptglab.com

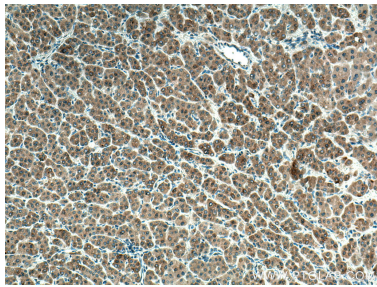
W: ptgcn.com

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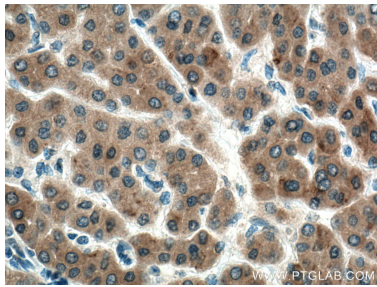
Selected Validation Data



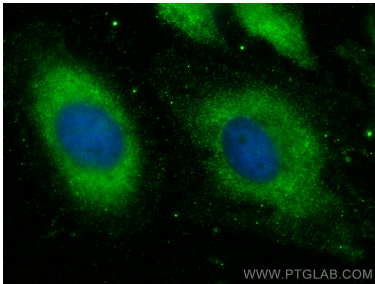
Various lysates were subjected to SDS PAGE followed by western blot with 67018-1-Ig (STBD1 antibody) at dilution of 1:16000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Lamin B1 Monoclonal antibody (HRP-66095) as loading control. This data was developed using the same antibody clone with 67018-1-PBS in a different storage buffer formulation.



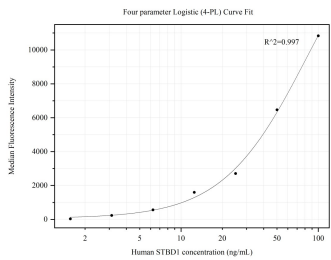
Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 67018-1-Ig (STBD1 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 67018-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 67018-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using STBD1 antibody (67018-1-Ig, Clone: 1A2G2) at dilution of 1:800 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) (SA00013-1). This data was developed using the same antibody clone with 67018-1-PBS in a different storage buffer formulation.



Cytometric bead array standard curve of MP50130-2, STBD1 Monoclonal Matched Antibody Pair, PBS Only. Capture antibody: 67018-1-PBS. Detection antibody: 67018-2-PBS. Standard: Ag28613. Range: 1.563-100 ng/mL.