

For Research Use Only

STBD1 Recombinant monoclonal antibody

Catalog Number: 87526-1-RR



Basic Information

Catalog Number: 87526-1-RR	GenBank Accession Number: BC022301	Purification Method: Protein A purification
Source: Rabbit	GeneID (NCBI): 8987	CloneNo.: 252915D10
Isotype: IgG	UNIPROT ID: O95210	Recommended Dilutions: WB: 1:2000-1:10000 IF/ICC: 1:50-1:500
Immunogen Catalog Number: AG2481	Full Name: starch binding domain 1	
	Calculated MW: 41 kDa	
	Observed MW: 35-43 kDa	

Applications

Tested Applications: WB, IF/ICC, ELISA	Positive Controls:
Species Specificity: human	WB : HeLa cells, HepG2 cells, A549 cells, Caki-1 cells, HuH-7 cells
	IF/ICC : HeLa cells,

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 -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:

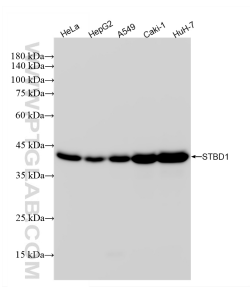
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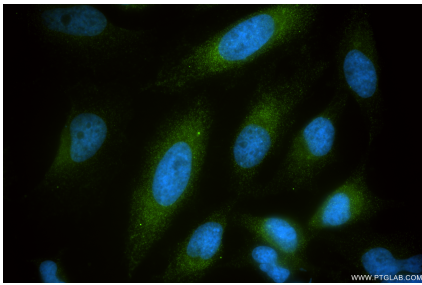
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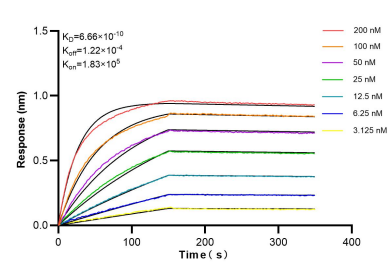
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 87526-1-RR (STBD1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using STBD1 antibody (87526-1-RR, Clone: 252915D10) at dilution of 1:200 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).



Biolayer interferometry (BLI) kinetic assays of 87526-1-RR against Human STBD1 were performed. The affinity constant is 0.666 nM.