

For Research Use Only

Syntaxin 12 Recombinant antibody

Catalog Number: 85069-4-RR



Basic Information

Catalog Number: 85069-4-RR	GenBank Accession Number: BC046999	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 23673	CloneNo.: 242546H2
Source: Rabbit	UNIPROT ID: Q86Y82	Recommended Dilutions: WB 1:5000-1:50000 IF/ICC 1:250-1:1000
Isotype: IgG	Full Name: syntaxin 12	
Immunogen Catalog Number: AG5532	Calculated MW: 32 kDa	
	Observed MW: 39 kDa	

Applications

Tested Applications: WB, IF/ICC, ELISA	Positive Controls:
Species Specificity: human	WB : LNCaP cells, HepG2 cells, HEK-293 cells, Jurkat cells, human placenta tissue
	IF/ICC : A431 cells,

Background Information

Syntaxin 12 (STX12), also known as STX13 or STX14, is a 276 amino acid single-pass type IV membrane protein that belongs to the syntaxin family. It is a broadly and differentially expressed SNARE protein, highly enriched in brain tissue. STX12 is localized to early and recycling endosomes and is involved in the recycling of plasma membrane proteins. It also has a role in the trafficking of MMP during the degradation of ECM substrates and subsequent cellular invasion. (PMID: 9507000; 9553086; 19910495) This antibody recognizes a major 39 kDa band of endogenous STX12. In some cases, two additional bands of 33 kDa and 66 kDa could also be detected, which most likely represent a degradation product and a SNARE complex respectively (PMID: 9817754).

Storage

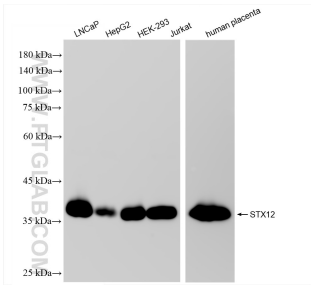
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

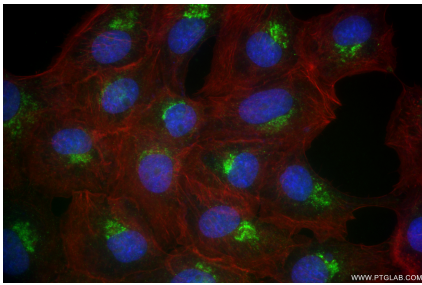
For technical support and original validation data for this product please contact:
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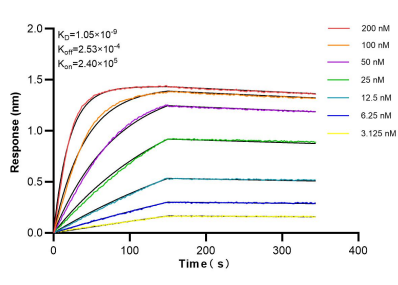
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 85069-4-RR (Syntaxin 12 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed A431 cells using Syntaxis 12 antibody (85069-4-RR, Clone: 242546H2) at dilution of 1:500 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).



Biolayer interferometry (BLI) kinetic assays of 85069-4-RR against Human Syntaxin 12 were performed. The affinity constant is 1.05 nM.