

For Research Use Only

CoraLite® Plus 488-conjugated Syntaxin 12 Recombinant monoclonal antibody

Catalog Number: CL488-85069-4



Basic Information

Catalog Number:	GenBank Accession Number:	Purification Method:
CL488-85069-4	BC046999	Protein A purification
Size:	GeneID (NCBI):	Clone No.:
1000 μl, Concentration: 1000 ug/ml by Nanodrop;	23673	242546H2
Source:	UNIPROT ID:	Recommended Dilutions:
Rabbit	Q86Y82	IF/ICC: 1:50-1:500
Isotype:	Full Name:	Excitation/Emission maxima
IgG	syntaxin 12	wavelengths:
Immunogen Catalog Number:	Calculated MW:	493 nm / 522 nm
AG5532	32 kDa	
	Observed MW:	
	39 kDa	

Applications

Tested Applications:	Positive Controls:
IF/ICC	IF/ICC: HeLa cells,
Species Specificity:	
human	

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).

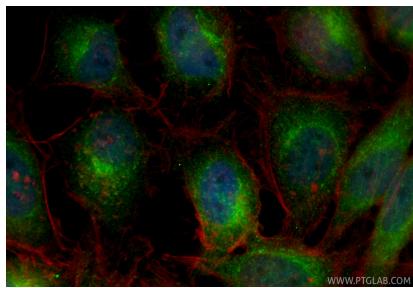
Storage

Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% glycerol, 0.05% Proclin300, 0.5% BSA, pH7.3
Aliquoting is unnecessary for -20°C storage

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

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using CoraLite® Plus 488 Syntaxin 12 antibody (CL488-85069-4, Clone: 242546H2) at dilution of 1:200, CL594-phalloidin (red).