

For Research Use Only

CoraLite® Plus 488-conjugated Syntaxin 12 Recombinant monoclonal antibody

Catalog Number: CL488-85069-4



Basic Information

Catalog Number:	CL488-85069-4	GenBank Accession Number:	BC046999	Purification Method:	Protein A purification
Source:	Rabbit	GenID (NCBI):	23673	CloneNo.:	242546H2
Isotype:	IgG	UNIPROT ID:	Q86Y82	Recommended Dilutions:	IF/ICC: 1:50-1:500
Immunogen Catalog Number:	AG5532	Full Name:	syntaxin 12	Excitation/Emission maxima wavelengths:	493 nm / 522 nm
		Calculated MW:	32 kDa		
		Observed MW:	39 kDa		

Applications

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

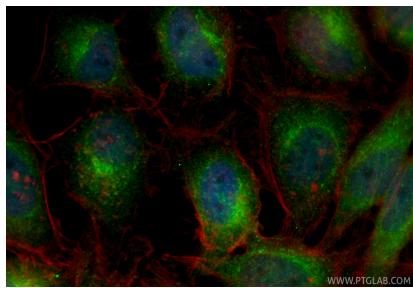
Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% glycerol, 0.05% Proclin300, 0.5% BSA, pH7.3
Aliquoting is unnecessary for -20°C storage

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