

For Research Use Only

Syntaxin 12 Recombinant antibody, PBS Only

Catalog Number: 85069-4-PBS



Basic Information

Catalog Number:

85069-4-PBS

Size:

100ug, Concentration: 1 mg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG5532

GenBank Accession Number:

BC046999

GeneID (NCBI):

23673

UNIPROT ID:

Q86Y82

Full Name:

syntaxin 12

Calculated MW:

32 kDa

Observed MW:

39 kDa

Purification Method:

Protein A purification

CloneNo.:

242546H2

Applications

Tested Applications:

WB, IF/ICC, Indirect ELISA

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 -80°C.

Storage Buffer:

PBS Only

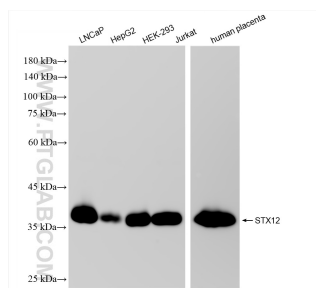
For technical support and original validation data for this product please contact:

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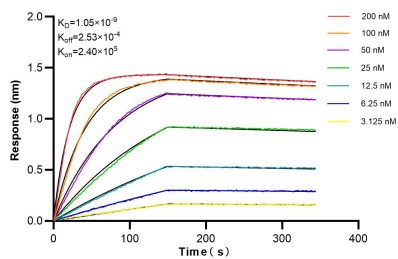
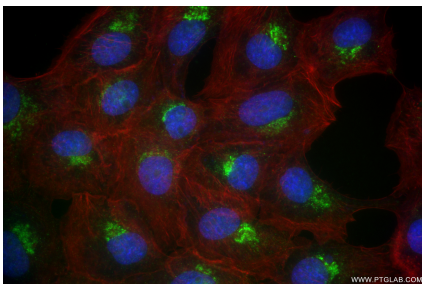
E: proteintech@ptglab.com
W: ptglab.com

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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. This data was developed using the same antibody clone with 85069-4-PBS in a different storage buffer formulation.



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