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STX12 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP16253B

Specification

STX12 Antibody (C-term) - Product Information

Application	**WB,E**
Primary Accession	Q86Y82
Other Accession	G3V7P1, Q9ER00, NP_803173.1
Reactivity	**Human**
Predicted	**Mouse, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**31642**
Antigen Region	**224-251**

STX12 Antibody (C-term) - Additional Information

Gene ID 23673

Other Names
Syntaxin-12, STX12

Target/Specificity
This STX12 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 224-251 amino acids from the C-terminal region of human STX12.

Dilution
WB~~1:1000

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
STX12 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

STX12 Antibody (C-term) - Protein Information

Name STX12

Function SNARE promoting fusion of transport vesicles with target membranes. Together with

SNARE STX6, promotes movement of vesicles from endosomes to the cell membrane, and may therefore function in the endocytic recycling pathway. Through complex formation with GRIP1, GRIA2 and NSG1 controls the intracellular fate of AMPAR and the endosomal sorting of the GRIA2 subunit toward recycling and membrane targeting.

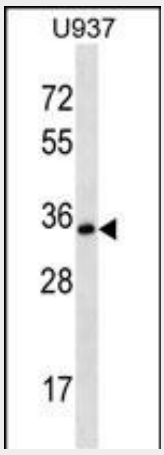
Cellular Location
Endosome membrane {ECO:0000250|UniProtKB:G3V7P1}; Single-pass type IV membrane protein {ECO:0000250|UniProtKB:G3V7P1} Golgi apparatus membrane {ECO:0000250|UniProtKB:G3V7P1}; Single-pass type IV membrane protein {ECO:0000250|UniProtKB:G3V7P1}. Endomembrane system {ECO:0000250|UniProtKB:G3V7P1}; Single-pass type IV membrane protein {ECO:0000250|UniProtKB:G3V7P1}; Cytoplasmic side {ECO:0000250|UniProtKB:G3V7P1}. Early endosome membrane {ECO:0000250|UniProtKB:G3V7P1}; Single-pass type IV membrane protein {ECO:0000250|UniProtKB:G3V7P1}. Recycling endosome membrane {ECO:0000250|UniProtKB:G3V7P1}; Single-pass type IV membrane protein {ECO:0000250|UniProtKB:G3V7P1}

STX12 Antibody (C-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

STX12 Antibody (C-term) - Images



STX12 Antibody (C-term) (Cat. #AP16253b) western blot analysis in U-937 cell line lysates (35ug/lane).This demonstrates the STX12 antibody detected the STX12 protein (arrow).

STX12 Antibody (C-term) - Background

SNARE that acts to regulate protein transport between late endosomes and the trans-Golgi network (By similarity).

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Kean, M.J., et al. J. Cell. Sci. 122 (PT 22), 4089-4098 (2009) :
Lamesch, P., et al. Genomics 89(3):307-315(2007)
Olsen, J.V., et al. Cell 127(3):635-648(2006)
Olsen, J.V., et al. Cell 127(3):635-648(2006)
Bared, S.M., et al. Mol. Biol. Cell 15(12):5399-5407(2004)