

STX12 / Syntaxin 12 Antibody (Cytoplasmic Domain, clone 15G2)
Mouse Monoclonal Antibody
Catalog # ALS12593**Specification**

STX12 / Syntaxin 12 Antibody (Cytoplasmic Domain, clone 15G2) - Product Information

Application	IHC
Primary Accession	Q86Y82
Reactivity	Human, Mouse, Rat, Hamster, Dog
Host	Mouse
Clonality	Monoclonal
Calculated MW	32kDa KDa

STX12 / Syntaxin 12 Antibody (Cytoplasmic Domain, clone 15G2) - Additional Information**Gene ID** 23673**Other Names**

Syntaxin-12, STX12

Target/Specificity

Identifies recombinant rat syntaxin 13 and will detect an ~38 kD protein, corresponding to the apparent molecular mass of syntaxin 13 on SDS-PAGE immunoblots, in samples from mouse, rat, dog and hamster origins. Additional bands of 27 and 37 kD may a ...

Reconstitution & Storage

Long term: -20°C; Short term: +4°C; Avoid freeze-thaw cycles.

Precautions

STX12 / Syntaxin 12 Antibody (Cytoplasmic Domain, clone 15G2) is for research use only and not for use in diagnostic or therapeutic procedures.

STX12 / Syntaxin 12 Antibody (Cytoplasmic Domain, clone 15G2) - 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};

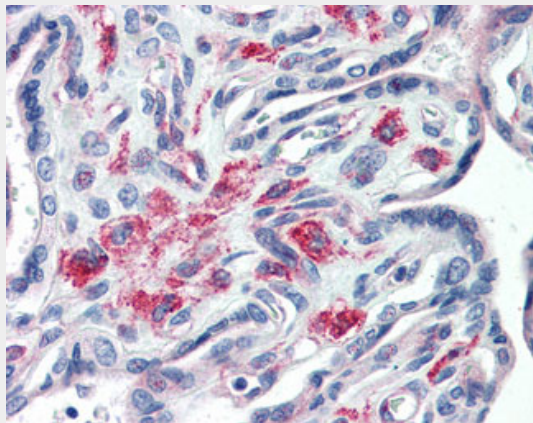
Single-pass type IV membrane protein {ECO:0000250|UniProtKB:G3V7P1}; Cytoplasmic side {ECO:0000250|UniProtKB:G3V7P1}. Early endosome membrane {ECO:0000250|UniProtKB:G3V7P1}; Single-pass type IV membrane protein {ECO:0000250|UniProtKB:G3V7P1}. Recycling endosome membrane {ECO:0000250|UniProtKB:G3V7P1}; Single-pass type IV membrane protein {ECO:0000250|UniProtKB:G3V7P1}

STX12 / Syntaxin 12 Antibody (Cytoplasmic Domain, clone 15G2) - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

STX12 / Syntaxin 12 Antibody (Cytoplasmic Domain, clone 15G2) - Images



Anti-STX12 / Syntaxin 12 antibody IHC of human placenta.

STX12 / Syntaxin 12 Antibody (Cytoplasmic Domain, clone 15G2) - Background

SNARE that acts to regulate protein transport between late endosomes and the trans-Golgi network. The SNARE complex containing STX6, STX12, VAMP4 and VTI1A mediates vesicle fusion (in vitro) (By similarity).

STX12 / Syntaxin 12 Antibody (Cytoplasmic Domain, clone 15G2) - References

Yang J., et al. Submitted (JAN-1999) to the EMBL/GenBank/DDBJ databases.
Rhodes S., et al. Submitted (JAN-1999) to the EMBL/GenBank/DDBJ databases.
Ota T., et al. Nat. Genet. 36:40-45(2004).
Gregory S.G., et al. Nature 441:315-321(2006).
Mural R.J., et al. Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.