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Datasheet for ABIN5011266
anti-Syntaxin 12 antibody (AA 101-200) (Alexa Fluor 680)

Overview

Quantity:	100 µL
Target:	Syntaxin 12 (STX12)
Binding Specificity:	AA 101-200
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Syntaxin 12 antibody is conjugated to Alexa Fluor 680
Application:	Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from rat Syntaxin 13
Isotype:	IgG
Cross-Reactivity:	Mouse
Predicted Reactivity:	Human,Rat,Dog,Cow,Sheep,Pig,Horse
Purification:	Purified by Protein A.

Target Details

Target:	Syntaxin 12 (STX12)
Alternative Name:	Syntaxin 13 (STX12 Products)

Target Details

Background: Synonyms: Syntaxin13, Syntaxin 13, Syntaxin-13, Syx13, Syx 13, Syx-13, CG11278, CT31479, Dm Syx13, ff16, I301470, STX12_RAT.

Background: Syntaxin 13 is an integral membrane protein that belongs to the t-SNARE family, a group of proteins involved in protein transport. Confocal immunofluorescence and electron microscopy studies have shown that syntaxin 13 is primarily localized to tubular early and recycling endosomes, where it colocalizes with transferrin receptor, and it is also localized in endosomal vacuoles. Syntaxin 13 has been found to be expressed in all tissues, with higher levels of the protein found in brain, lung, spleen, thymus and testes. Immunoprecipitation studies show that syntaxin 13 complexes with beta-SNAP, VAMP2/3, and SNAP25. The binding of this complex to alpha-SNAP and NSF is terminated in the presence of ATP. These results suggest that syntaxin 13 is a SNARE protein which mediates the recycling protein flow through tubulo vesicular recycling endosomes.

Gene ID: 65033

Pathways: [Synaptic Vesicle Exocytosis](#)

Application Details

Application Notes: IF(IHC-P) 1:50-200
IF(IHC-F) 1:50-200
IF(ICC) 1:50-200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Handling

Expiry Date: 12 months