

Product Name: KD-Validated Syntaxin 16 Recombinant Rabbit Monoclonal Antibody
Catalog #: KVAb01199

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 37.0kDa

Antigen Information

Gene Name	STX16
Alternative Names	STX16; Syntaxin 16; SYN-16; SYN16; Syntaxin-16; Hsyn16; HSYN16; Syn16
Gene ID	8675.0
SwissProt ID	O14662
Immunogen	A synthesized peptide derived from human Syntaxin 16

Background

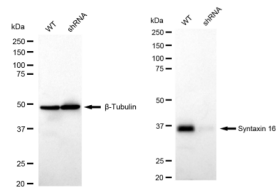
This gene encodes a protein that is a member of the syntaxin or t-SNARE (target-SNAP receptor) family. These proteins are found on cell membranes and serve as the targets for V-SNARES (vesicle-SNAP receptors) permitting specific synaptic vesicle docking and fusion. A microdeletion in the region of chromosome 20 where this gene is located has been associated with pseudohypoparathyroidism type 1b. Multiple transcript variants have been found for this gene. Read-through transcription also

exists between this gene and the neighboring downstream aminopeptidase-like 1 (NPEPL1) gene. [provided by RefSeq, Mar 2011]

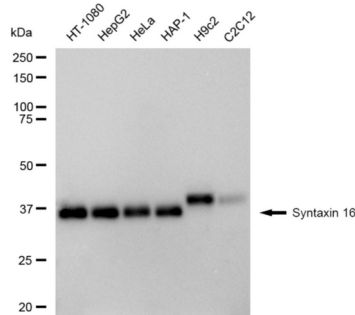
Research Area

Tags & Cell Markers

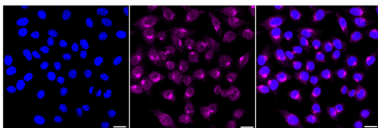
Image Data



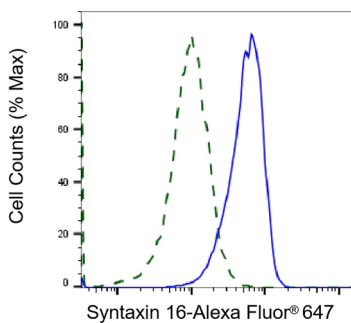
Western blotting analysis using Syntaxin 16 antibody (KVA01199). Syntaxin 16 expression in wild type (WT) and Syntaxin 16 shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with Syntaxin 16 antibody (KVA01199, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



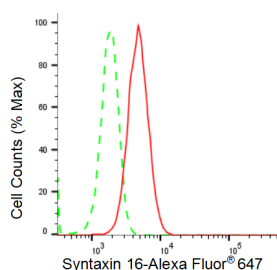
Western blotting analysis using syntaxin 16 antibody (KVA01199). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with syntaxin 16 antibody (KVA01199, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HepG2 cells with Syntaxin 16 antibody (KVA01199, 1:1,000). Nuclei were stained blue with DAPI; Syntaxin 16 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar: 20 µm.



Validation of Syntaxin 16 knockdown using flow cytometry. Wild-type(WT, Blue) and knockdown(KD, Green) HeLa cells were stained with Syntaxin 16 antibody (KVA01199, 1:2,000) and analyzed using BD flow cytometer.



Flow cytometric analysis of Syntaxin 16 expression in HepG2 cells using Syntaxin 16 antibody (KVA01199, 1:2,000). Green, isotype control; red, Syntaxin 16.