

Product Name: KD-Validated Syntaxin 4 Recombinant Rabbit Monoclonal Antibody
Catalog #: KVA01312

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM
Reactivity	Human,Mouse,Rat
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
Molecular Weight	Calculated MW: 34.2kDa

Antigen Information

Gene Name	STX4
Alternative Names	STX4; Syntaxin 4; P35-2; STX4A; Renal Carcinoma Antigen NY-REN-31; Syntaxin 4A (Placental); Syntaxin-4
Gene ID	6810.0
SwissProt ID	Q12846
Immunogen	A synthesized peptide derived from human Syntaxin 4

Background

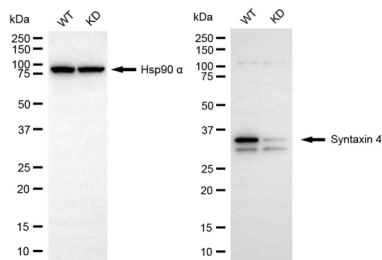
Enables sphingomyelin phosphodiesterase activator activity. Involved in several processes, including cornified envelope assembly; positive regulation of immune effector process; and positive regulation of protein localization. Located in several cellular components, including basolateral plasma membrane; cytoplasmic vesicle; and lamellipodium. Part of SNARE complex.

Is active in glutamatergic synapse and postsynapse. Implicated in autosomal recessive nonsyndromic deafness. [provided by Alliance of Genome Resources, Jul 2025]

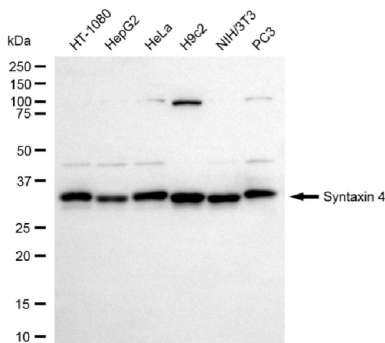
Research Area

Neuroscience, Signal Transduction

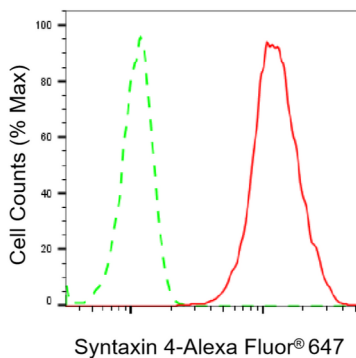
Image Data



Western blotting analysis using syntaxin 4 antibody (KVA01312). Syntaxin 4 expression in wild-type (WT) and syntaxin 4 (STX4) knockdown (KD) 293T cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with syntaxin 4 antibody (KVA01312, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using syntaxin 4 antibody (KVA01312). Total cell lysates (20 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with syntaxin 4 antibody (KVA01312, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Flow cytometric analysis of Syntaxin 4 expression in HepG2 cells using Syntaxin 4 antibody (KVA01312, 1:2,000). Green, isotype control; red, Syntaxin 4.