DATASHEET

Syntaxin-4 Rabbit Polyclonal Antibody

CAT. NO. APA17015

KEY FEATURES

Target	Syntaxin-4	Source / Host	Rabbit
Reactivity	Human, Mouse, Rat, Monkey	Clonality	Polyclonal
Applications	WB	Conjugation	Unconjugated
Form / Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.	Storage	at-20°C

BACKGROUND

Plasma membrane t-SNARE that mediates docking of transport vesicles . Necessary for the translocation of SLC2A4 from intracellular vesicles to the plasma membrane . In neurons, recruited at neurite tips to membrane domains rich in the phospholipid 1-oleoyl-2-palmitoyl-PC (OPPC) which promotes neurite tip surface expression of the dopamine transporter SLC6A3/DAT by facilitating fusion of SLC6A3-containing transport vesicles with the plasma membrane . Together with STXB3 and VAMP2, may also play a role in docking/fusion of intracellular GLUT4-containing vesicles with the cell surface in adipocytes and in docking of synaptic vesicles at presynaptic active zones .

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:2000

*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

Description	Rabbit polyclonal antibody to Syntaxin-4
Specificity	Recognizes endogenous levels of Syntaxin-4 protein
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human Syntaxin-4. The exact sequence is proprietary.
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 33; Observed: 37 kD
Form/Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	STX4A; Syntaxin-4; Renal carcinoma antigen NY-REN-31
Gene Symbol	STX4
Entrez Gene	6810(Human); 20909(Mouse); 81803(Rat)
SwissProt	Q12846(Human); P70452(Mouse); Q08850(Rat)

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

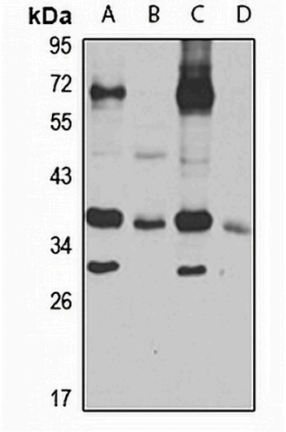
*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

DATASHEET

Syntaxin-4 Rabbit Polyclonal Antibody

CAT. NO. APA17015

DATA



Western blot analysis of Syntaxin-4 expression in A375 (A), NIH3T3 (B), MCF7 (C), mouse liver (D) whole cell lysates. (Predicted band size: 33; 34 kD; Observed band size: 37 kD)

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.