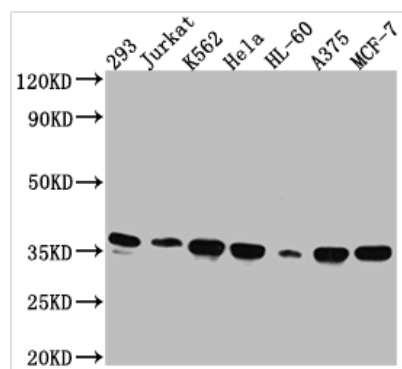




STX4 Antibody

Product Code	CSB-RA290392A0HU
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	Q12846
Immunogen	A synthesized peptide derived from human Syntaxin 4
Species Reactivity	Human
Tested Applications	ELISA, WB; Recommended dilution: WB:1:500-1:5000
Relevance	Plasma membrane t-SNARE that mediates docking of transport vesicles. Necessary for the translocation of SLC2A4 from intracellular vesicles to 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 (By similarity). May also play a role in docking of synaptic vesicles at presynaptic active zones.
Form	Liquid
Conjugate	Non-conjugated
Storage Buffer	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purification Method	Affinity-chromatography
Isotype	Rabbit IgG
Clonality	Monoclonal
Product Type	Recombinant Antibody
Immunogen Species	Homo sapiens (Human)
Research Area	Neuroscience; Signal transduction
Gene Names	STX4
Accession NO.	4E1

Image



Western Blot

Positive WB detected in: 293 whole cell lysate, Jurkat whole cell lysate, K562 whole cell lysate, HeLa whole cell lysate, HL-60 whole cell lysate, A375 whole cell lysate, MCF-7 whole cell lysate
All lanes: Syntaxin 4 antibody at 1:1000

Secondary

Goat polyclonal to rabbit IgG at 1/50000 dilution
Predicted band size: 35, 34 kDa
Observed band size: 35 kDa

Description

STX4 is a t-SNARE that is extensively expressed in numerous tissues, including



skeletal muscle, and plays a vital role in glucose absorption in response to insulin in skeletal muscle and adipose tissue by delivering glucose transporter 4 (GLUT4) to the cell membrane. In beta cells, STX4 has also been demonstrated to modulate glucose-stimulated insulin production. It's also involved in cell invasion and invadopodium development, which is linked to the malignant growth of several human malignancies.

The preparation of the recombinant STX4 antibody involves the mammalian cell lines expression of plasma vectors containing STX4 antibody genes. B cells isolated from immunized animals' blood were treated to obtain RNA, which underwent reverse transcription to yield DNA genes. Antibody genes were sequenced and screened from the DNA. After transient expression, cell supernatant was collected and then purified using Affinity-chromatography to obtain the recombinant STX4 antibody. This recombinant STX4 antibody is recommended to use in the STX4 for the detection of STX4 protein from Human.