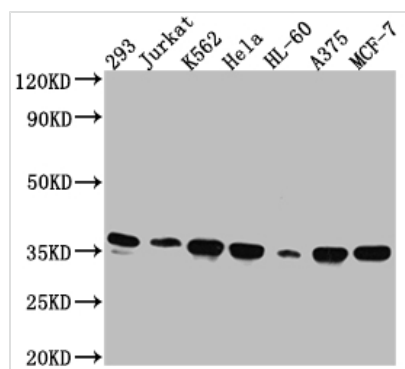




# STX4 Recombinant Monoclonal Antibody

<b>Product Code</b>	CSB-RA290392A0HU
<b>Storage</b>	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
<b>Uniprot No.</b>	Q12846
<b>Immunogen</b>	A synthesized peptide derived from human Syntaxin 4
<b>Species Reactivity</b>	Human
<b>Tested Applications</b>	ELISA, WB; Recommended dilution: WB:1:500-1:5000
<b>Relevance</b>	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.
<b>Form</b>	Liquid
<b>Conjugate</b>	Non-conjugated
<b>Storage Buffer</b>	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
<b>Purification Method</b>	Affinity-chromatography
<b>Isotype</b>	Rabbit IgG
<b>Clonality</b>	Monoclonal
<b>Product Type</b>	Recombinant Antibody
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Research Area</b>	Neuroscience; Signal transduction
<b>Gene Names</b>	STX4
<b>Clone No.</b>	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.