

DESCRIPTION

Species Reactivity	Human/Mouse/Rat
Specificity	Detects human Syntaxin 1B in direct ELISAs and Western blots. In direct ELISAs, 100% cross-reactivity with recombinant human (rh) Syntaxin 1A and 1B1 is observed, and no cross-reactivity with rhSyntaxin 5, 6, 7, 8, 12, or 16 is observed.
Source	Monoclonal Mouse IgG ₁ Clone # 676204
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human Syntaxin 1B Lys2-Lys264 Accession # P61266
Conjugate	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. *General Protocols* are available in the *Technical Information* section on our website.

Western Blot Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.

Stability & Storage Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

Syntaxin 1B/STX1B is an approximately 33 kDa member of the Syntaxin family. It is a single-pass type IV transmembrane protein that is potentially involved in the docking of synaptic vesicles at presynaptic active zones. The cytoplasmic domain of Syntaxin 1B contains a coiled-coil Syntaxin domain (aa 29-180) which is implicated in the docking of synaptic vesicles with the presynaptic plasma membrane and a t-SNARE coiled coil domain (aa 191-253). Within the cytoplasmic domain, human Syntaxin 1B shares 100% aa sequence identity with mouse and rat Syntaxin 1B.

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