

DESCRIPTION

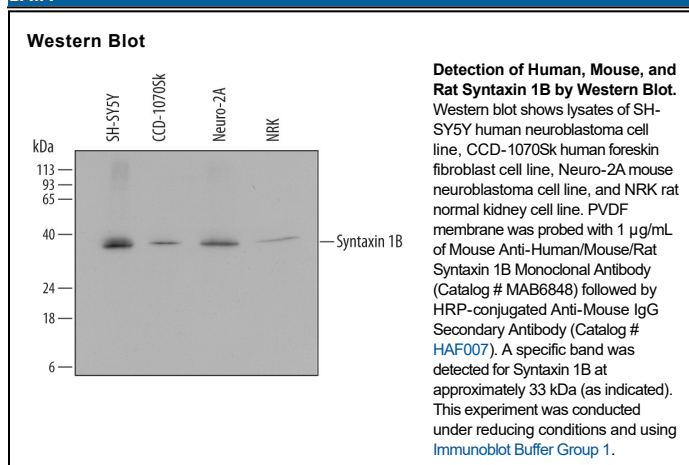
Species Reactivity	Human/Mouse/Rat
Specificity	Detects human Syntaxin 1B in direct ELISAs and Western blots. In direct ELISAs, 100% cross-reactivity with recombinant human (rh) Syntaxin 1A and 1B1 is observed, and no cross-reactivity with rhSyntaxin 5, 6, 7, 8, 12, or 16 is observed.
Source	Monoclonal 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
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.

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.

	Recommended Concentration	Sample
Western Blot	1 µg/mL	See Below

DATA



PREPARATION AND STORAGE

Reconstitution	Sterile PBS to a final concentration of 0.5 mg/mL.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none"> 12 months from date of receipt, -20 to -70 °C as supplied. 1 month, 2 to 8 °C under sterile conditions after reconstitution. 6 months, -20 to -70 °C under sterile conditions after reconstitution.

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.