

DESCRIPTION

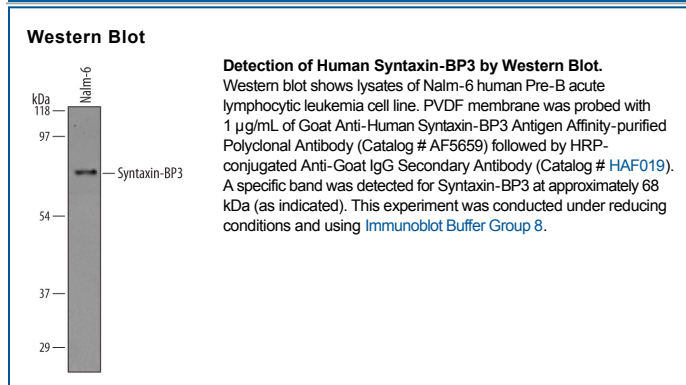
Species Reactivity	Human
Specificity	Detects human Syntaxin-BP3 in direct ELISAs and Western blots. In direct ELISAs, less than 5% cross-reactivity with recombinant human (rh) STXBP1 and rhSTXBP2 is observed.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human Syntaxin-BP3 Thr84-Thr231 Accession # O00186
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 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	Reconstitute at 0.2 mg/mL in sterile PBS.
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-BP3 (Syntaxin-binding protein 3; also PSP, Munc18-C and -3; and Unc-18C) is a 66-70 kDa member of the SNARE-interacting Sec1/Munc18 family of proteins. It is expressed in cells that exhibit granule exocytosis, such as neutrophils, mast cells, platelets and endothelial cells. Functionally, it likely participates in the consolidation and secretion of secondary and tertiary granules. Human Syntaxin-BP3 is 592 amino acids (aa) in length. It contains one SEC1 domain (aa 16-592). Phosphorylation at Ser129 may stimulate granule release. There are two potential splice variants. One shows a 12 aa substitution for aa 31-269, while a second shows a one aa Gln insertion after Lys270. Over aa 84-231, human Syntaxin-BP3 shares 90% aa identity with mouse Syntaxin-BP3.