

DESCRIPTION

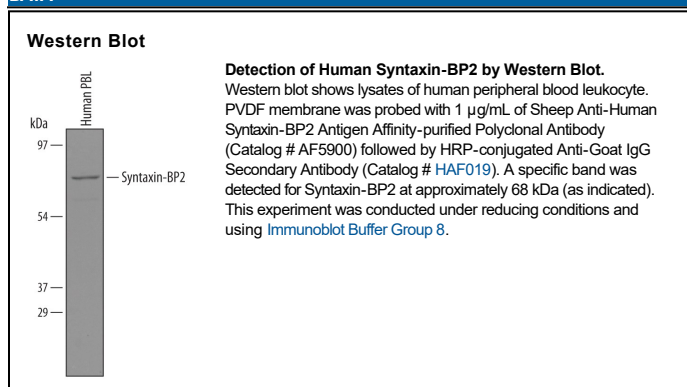
Species Reactivity	Human
Specificity	Detects human Syntaxin-BP2 in direct ELISAs and Western blots. In direct ELISAs, approximately 5% cross-reactivity with recombinant human (rh) Syntaxin-BP1 and rhSyntaxin-BP3 is observed.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human Syntaxin-BP2 Glu81-Thr223 Accession # NP_001120868
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	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-BP2 (STXBP2; Syntaxin-binding protein 2; also Unc18-2 and Unc18B) is a 64-66 kDa member of the SNARE-interacting Sec1/Unc18/STXBP family of proteins. It is widely expressed, particularly in hematopoietic cells, and is found both in cytoplasm, and associated with membranes, where it binds to STX1A, 2, and 3. Thus, it presumably participates in primary granule exocytosis by promoting granule fusion. Human STXBP2 is 593 amino acids (aa) in length. It contains one SEC1 domain (aa 28-576) with Trp28, Ser42, and Glu59 all playing a key role in syntaxin binding. There is one splice variant that shows a deletion of aa 83-85. Over aa 80-223, human and mouse STXBP2 share 95% aa sequence identity.