

Human Syntaxin-BP3 Antibody

Antigen Affinity-purified Polyclonal Goat IgG Catalog Number: AF5659

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 hu (rh) STXBP1 and rhSTXBP2 is observed.	
Source	Polyclonal Goat IgG	
Purification	Antigen Affinity-purified	
Immunogen	E. coli-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 either lyophilized or as a 0.2 µm filtered solution in PBS.	

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 Western Blot Syntaxin-RP3 37 -

Detection of Human Syntaxin-BP3 by Western Blot. Western blot shows lysates of Nalm-6 human Pre-B acute lymphocytic leukemia cell line. PVDF membrane was probed with 1 μg/mL of Goat Anti-Human Syntaxin-BP3 Antigen Affinity-purified Polyclonal Antibody (Catalog # AF5659) followed by HRPconjugated Anti-Goat IgG Secondary Antibody (Catalog # HAF019). A specific band was detected for Syntaxin-BP3 at approximately 68 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 8.

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.	

- 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.

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 GIn insertion after Lys270. Over aa 84-231, human Syntaxin-BP3 shares 90% aa identity with mouse Syntaxin-BP3.

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