

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
Conjugate	Alexa Fluor 488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 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-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.

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