

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
Conjugate	Alexa Fluor 700 Excitation Wavelength: 675-700 nm Emission Wavelength: 723 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-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.

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