Human/Mouse/Rat Syntaxin-BP1 Alexa Fluor® 594-conjugated Antibody

Antigen Affinity-purified Polyclonal Goat IgG
Catalog Number: AF5675T
100 µg

DESCRIPTION

Species Reactivity	Human/Mouse/Rat
Specificity	Detects human, mouse, and rat Syntaxin-BP1 in direct ELISAs and Western blots. In direct ELISAs, less than 1% cross-reactivity with recombinant human (rh) Syntaxin-BP2 and rhSyntaxin-BP3 is observed.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	*E. coli*-derived recombinant human Syntaxin-BP1 Ser80-Ala226 Accession # P61764
Conjugate	Alexa Fluor 594 Excitation Wavelength: 590 nm Emission Wavelength: 617 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.*

Knockout Validated	Optimal dilution of this antibody should be experimentally determined.
Western Blot	Optimal dilution of this antibody should be experimentally determined.
Immunohistochemistry	Optimal dilution of this antibody should be experimentally determined.
Immunoprecipitation	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

STXBP1 (Syntaxin-binding protein 1; also p67, Munc18-1, N-Sec1 and Unc18A) is a 67 kDa member of the SNARE-interacting Sec1/Unc18/STXBP family of proteins. It is expressed in a variety of cells, presumably in those that exhibit granule exocytosis, and likely participates in (synaptic) granule release. Ligands for STXBP1 include STX1A, 2 and 3, and it is possible that STXBP1 both suppresses STX activity, and serves as an anchor for STX-mediated vesicle fusion. Human STXBP1 is 594 amino acids (aa) in length. It contains one SEC1 domain (aa 41-575). Phosphorylation at Ser313 may stimulate granule release. There is one splice variant that shows a 28 aa substitution for aa 576-594. This is restricted to neural tissue. Over aa 80-226, human and mouse STXBP1 are absolutely identical in amino acid sequence.

PRODUCT SPECIFIC NOTICES

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