

Datasheet for ABIN926990
anti-STXBP1 antibody (Middle Region)



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1 Image

Overview

Quantity:	100 µL
Target:	STXBP1
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Cow, Chicken, Xenopus laevis, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This STXBP1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	STXBP1 antibody was raised in rabbit using the middle region of STXBP1 as the immunogen
Cross-Reactivity:	Mouse (Murine), Rat (Rattus), Chicken, Frog, Cow (Bovine), Zebrafish (Brachydanio rerio)
Purification:	Purified

Target Details

Target:	STXBP1
Alternative Name:	STXBP1 (STXBP1 Products)
Background:	STXBP1 belongs to the STXBP/unc-18/SEC1 family. It may participate in the regulation of synaptic vesicle docking and fusion, possibly through interaction with GTP-binding proteins. The protein is essential for neurotransmission and binds syntaxin, a component of the synaptic vesicle fusion machinery probably in a 1:1 ratio. It can interact with syntaxins 1, 2, and 3 but not

Target Details

syntaxin 4. Synonyms: Polyclonal STXBP1 antibody, Anti-STXBP1 antibody, syntaxin binding protein 1 antibody, MUNC18-1 antibody, UNC18 antibody, hUNC18 antibody, rbSec1 antibody.

Pathways: [Synaptic Vesicle Exocytosis](#), [Dicarboxylic Acid Transport](#)

Application Details

Application Notes: WB: 0.2-1 µg/mL
Optimal conditions should be determined by the investigator.

Comment: STXBP1 Blocking Peptide, catalog no. 33R-9269, is also available for use as a blocking control in assays to test for specificity of this STXBP1 antibody

Restrictions: For Research Use only

Handling

Format: Lyophilized

Concentration: Lot specific

Buffer: Lyophilized powder. Add 50 µL of distilled water. Final antibody concentration is 1 mg/mL in PBS buffer.

Handling Advice: Avoid repeated freeze/thaw cycles.

Storage: 4 °C/-20 °C

Storage Comment: Store at 4 °C, following reconstitution, aliquot and store at -20 °C.

Images



Western Blotting

Image 1. STXBP1 antibody (70R-10566) used at 1.25 µg/ml to detect target protein.