


Product datasheet

Anti-Syntaxin 1A + Syntaxin 1B2 antibody ab39986

[1 References](#) [1 Image](#)

Overview

Product name	Anti-Syntaxin 1A + Syntaxin 1B2 antibody
Description	Goat polyclonal to Syntaxin 1A + Syntaxin 1B2
Host species	Goat
Tested applications	Suitable for: WB, ELISA
Species reactivity	Reacts with: Mouse Predicted to work with: Rat, Sheep, Chicken, Cow, Human, Zebrafish 
Immunogen	Synthetic peptide: KDRTQELRTAKD , corresponding to N terminal amino acids 2/13 of Human Syntaxin 1A + Syntaxin 1B2 Run BLAST with Run BLAST with
Positive control	Mouse Brain lysate

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Storage buffer	Preservative: 0.02% Sodium Azide Constituents: 0.5% BSA, Tris buffered saline, pH 7.3
Purity	Immunogen affinity purified
Purification notes	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab39986** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		
ELISA		

Application notes

ELISA: Use at an assay dependent dilution. Antibody detection limit dilution 1:32,000
 WB: Use at a concentration of 0.01 - 0.03 µg/ml. Detects a band of approximately 35 kDa.
 (predicted molecular weight: 33 kDa).

Not yet tested in other applications.
 Optimal dilutions/concentrations should be determined by the end user.

Target

Relevance

Syntaxins are potentially involved in the docking of synaptic vesicles at presynaptic active zones and may play a key role in neurotransmitter exocytosis. Three isoforms are produced by alternative splicing. Isoform 1 is expressed in embryonic spinal chord and ganglia and in adult cerebellum and cerebral cortex. Isoform 2 is expressed in heart, liver, fat, skeletal muscle, kidney and brain. Syntaxin 1A interacts with VAPA and SYBU and is a member of the SNARE core complex containing SNAP25 and VAMP2. In addition, it is found in complexes with SNAP25, SNAP23 and VAMP8. Haploinsufficiency of STX1A may result in particular cardiovascular and musculo-skeletal abnormalities observed in Williams-Beuren syndrome, a rare developmental disorder.

Cellular localization

Cell membrane; single-pass type IV membrane protein; Isoform 2 is thought to be secreted

Images



Anti-Syntaxin 1A + Syntaxin 1B2 antibody
 (ab39986) at 0.003 µg/ml (for 1 hour) + Mouse
 Brain lysate in RIPA buffer at 35 µg

Developed using the ECL technique.

Predicted band size: 33 kDa

Observed band size: 35 kDa

Western blot - Anti-Syntaxin 1A + Syntaxin 1B2 antibody (ab39986)

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