

Product datasheet

Anti-Syntaxin 1α (phospho S14) antibody ab63571

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

Overview

| | |
|----------------------------|---|
| Product name | Anti-Syntaxin 1a (phospho S14) antibody |
| Description | Rabbit polyclonal to Syntaxin 1a (phospho S14) |
| Host species | Rabbit |
| Tested applications | Suitable for: WB |
| Species reactivity | Reacts with: Mouse |
| Immunogen | Synthetic peptide corresponding to Human Syntaxin 1a (phospho S14). Database link: Q16623 |
| General notes | <p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p> |

Properties

| | |
|-----------------------------|--|
| Form | Liquid |
| Storage instructions | Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C. |
| Storage buffer | pH: 7.40 Preservative: 0.02% Sodium azide Constituents: PBS, 50% Glycerol (glycerin, glycerine), 0.87% Sodium chloride |
| Purity | Immunogen affinity purified |
| Purification notes | Purified from rabbit antiserum by affinity chromatography using epitope specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site. |
| Clonality | Polyclonal |
| Isotype | IgG |

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab63571 in the following tested applications.

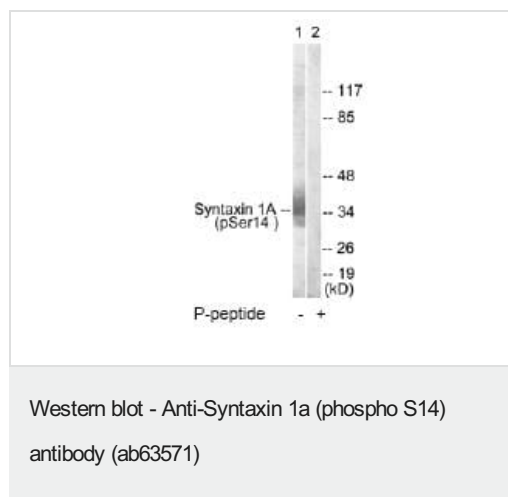
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

| Application | Abreviews | Notes |
|-------------|-----------|--|
| WB | | 1/500 - 1/1000. Detects a band of approximately 33 kDa (predicted molecular weight: 33 kDa). |

Target

| | |
|-------------------------------|---|
| Function | Potentially involved in docking of synaptic vesicles at presynaptic active zones. May play a critical role in neurotransmitter exocytosis. May mediate Ca(2+)-regulation of exocytosis acrosomal reaction in sperm. |
| Tissue specificity | Isoform 1 is highly 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. |
| Involvement in disease | Note=STX1A is located in the Williams-Beuren syndrome (WBS) critical region. WBS results from a hemizygous deletion of several genes on chromosome 7q11.23, thought to arise as a consequence of unequal crossing over between highly homologous low-copy repeat sequences flanking the deleted region. |
| Sequence similarities | Belongs to the syntaxin family. Contains 1 t-SNARE coiled-coil homology domain. |
| Cellular localization | Secreted and Cytoplasmic vesicle > secretory vesicle > synaptic vesicle membrane. Cell junction > synapse > synaptosome. |

Images



All lanes : Anti-Syntaxin 1a (phospho S14) antibody (ab63571) at 1/500 dilution

Lane 1 : Extracts from mouse brain cells (5-30µg)

Lane 2 : Extracts from mouse brain cells (5-30µg), with immunizing phosphopeptide (5-10µg)

Predicted band size: 33 kDa

Observed band size: 33 kDa

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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