


Product datasheet

Anti-Syntaxin 4 antibody - N-terminal ab226218

1 Image

Overview

Product name	Anti-Syntaxin 4 antibody - N-terminal
Description	Rabbit polyclonal to Syntaxin 4 - N-terminal
Host species	Rabbit
Tested applications	Suitable for: IP
Species reactivity	Reacts with: Human Predicted to work with: Rabbit, Cow, Cat, Dog, Pig, Chimpanzee, Cynomolgus monkey, Rhesus monkey, Gorilla 
Immunogen	Synthetic peptide within Human Syntaxin 4 aa 1-50 (N terminal). The exact sequence is proprietary. (NP_004595.2). Database link: Q12846
Positive control	IP: HeLa whole cell lysate.
General notes	<p>ab226218 has not performed satisfactorily when used for WB of Syntaxin 4 in crude preparations (e.g. whole cell lysate). This antibody can be used for WB of enriched (e.g. immunoprecipitated) sources of Syntaxin 4.</p> <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 +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7 Preservative: 0.09% Sodium azide Constituent: Tris citrate/phosphate

	pH 7 to 8
Purity	Immunogen affinity purified
Purification notes	ab226218 was affinity purified using an epitope specific to Syntaxin 4 immobilized on solid support.
Clonality	Polyclonal
Isotype	IgG

Applications

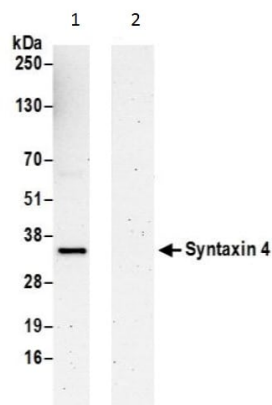
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab226218 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IP		Use at 2-10 µg/mg of lysate.

Target

Function	Plasma membrane t-SNARE that mediates docking of transport vesicles. Necessary for the translocation of SLC2A4 from intracellular vesicles to the plasma membrane. Together with STXB3 and VAMP2, may also play a role in docking/fusion of intracellular GLUT4-containing vesicles with the cell surface in adipocytes (By similarity). May also play a role in docking of synaptic vesicles at presynaptic active zones.
Tissue specificity	Expressed in neutrophils and neutrophil-differentiated HL-60 cells. Expression in neutrophils increases with differentiation.
Sequence similarities	Belongs to the syntaxin family. Contains 1 t-SNARE coiled-coil homology domain.
Cellular localization	Cell membrane.

Images



Immunoprecipitation - Anti-Syntaxin 4 antibody - N-terminal (ab226218)

Syntaxin 4 was immunoprecipitated from HeLa (human epithelial cell line from cervix adenocarcinoma) whole cell lysate (1 mg for IP, 20% of IP loaded) with ab226218 at 6 µg/mg lysate. Western blot was performed from the immunoprecipitate using a different rabbit anti-Syntaxin 4 antibody at 1 µg/ml.

Lane 1: ab226218 IP in HeLa whole cell lysate.

Lane 2: Control IgG IP in HeLa whole cell lysate.

Detection: Chemiluminescence with exposure time of 3 minutes.

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