

Product datasheet

Anti-Syntaxin 2/STX2 antibody ab12369

[7 References](#) [2 Images](#)

Overview

Product name	Anti-Syntaxin 2/STX2 antibody
Description	Rabbit polyclonal to Syntaxin 2/STX2
Host species	Rabbit
Tested applications	Suitable for: ICC/IF, WB
Species reactivity	Reacts with: Human
Immunogen	Synthetic peptide corresponding to Rat Syntaxin 2/STX2 aa 1-100 conjugated to keyhole limpet haemocyanin. Database link: P50279

 [Run BLAST with](#)

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General notes

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.

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

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 or -80°C. Avoid freeze / thaw cycle.
Storage buffer	Preservative: 0.09% Sodium azide Constituents: PBS, 50% Glycerol (glycerin, glycerine)
Purity	Immunogen affinity purified
Purification notes	This antibody was purified on a peptide bound immunoaffinity column.
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab12369 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
ICC/IF		Use a concentration of 5 µg/ml.
WB		Use a concentration of 4 µg/ml. Detects a band of approximately 35 kDa (predicted molecular weight: 33.3 kDa). human and 1/1000-1/2000 for other species.

Target

Function

Essential for epithelial morphogenesis. May mediate Ca(2+)-regulation of exocytosis acrosomal reaction in sperm.

Sequence similarities

Belongs to the syntaxin family.
Contains 1 t-SNARE coiled-coil homology domain.

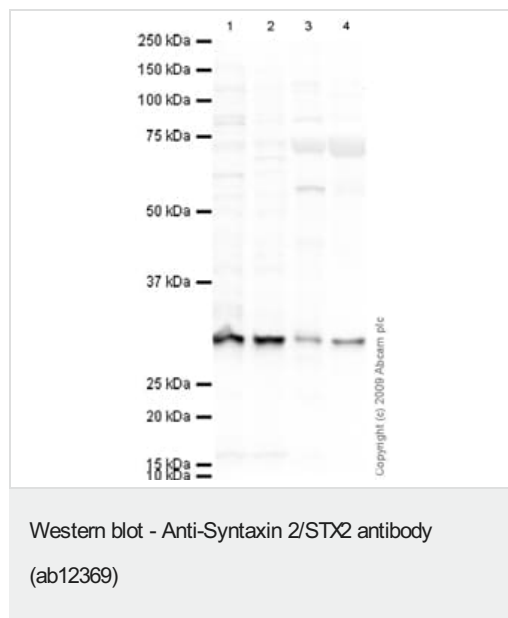
Cellular localization

Membrane.

Form

Inhibition of syntaxin-2 and Vamp8 function by overexpression of nonmembrane-anchored mutants caused failure of cytokinesis leading to the formation of binucleated cells. There are 3 isoforms produced by alternative splicing.

Images



All lanes : Anti-Syntaxin 2/STX2 antibody (ab12369) at 1 µg/ml

Lane 1 : HeLa (Human epithelial carcinoma cell line) Whole Cell Lysate

Lane 2 : A431 (Human epithelial carcinoma cell line) Whole Cell Lysate

Lane 3 : Human kidney tissue lysate - total protein ([ab30203](#))

Lane 4 : Human skin tissue lysate - total protein ([ab30166](#))

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : Goat polyclonal to Rabbit IgG - H&L - Pre-Adsorbed (HRP) at 1/3000 dilution

Developed using the ECL technique.

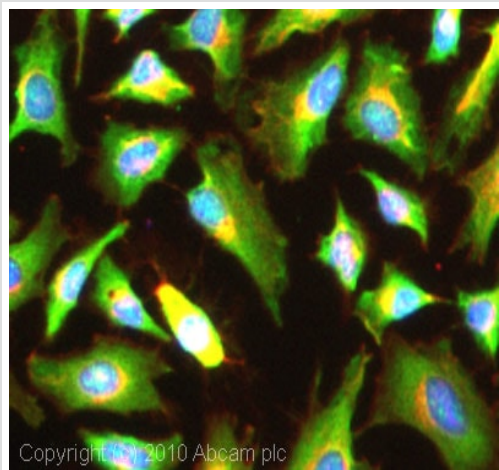
Performed under reducing conditions.

Predicted band size: 33.3 kDa

Observed band size: 33.3 kDa

Additional bands at: 74 kDa. We are unsure as to the identity of these extra bands.

Exposure time: 4 minutes



Immunocytochemistry/ Immunofluorescence - Anti-Syntaxin 2/STX2 antibody (ab12369)

ICC/IF image of ab12369 stained HeLa cells. The cells were 100% methanol fixed (5 min) and then incubated in 1%BSA / 10% normal goat serum / 0.3M glycine in 0.1% PBS-Tween for 1h to permeabilise the cells and block non-specific protein-protein interactions. The cells were then incubated with the antibody (ab12369, 5µg/ml) overnight at +4°C. The secondary antibody (green) was Alexa Fluor® 488 goat anti-rabbit IgG (H+L) used at a 1/1000 dilution for 1h. Alexa Fluor® 594 WGA was used to label plasma membranes (red) at a 1/200 dilution for 1h. DAPI was used to stain the cell nuclei (blue) at a concentration of 1.43µM.

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

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