




Product datasheet

Anti-SNX5 antibody ab5983

★★★★★ [1 Abreviews](#) [6 References](#) [3 Images](#)

Overview

Product name	Anti-SNX5 antibody
Description	Goat polyclonal to SNX5
Host species	Goat
Tested applications	Suitable for: IHC-P, WB
Species reactivity	Reacts with: Human Predicted to work with: Rat, Cow, Dog, Pig 
Immunogen	Synthetic peptide corresponding to Human SNX5 aa 350 to the C-terminus (C terminal). (NP_001269383.1) Database link: Q9Y5X3 <div>  Run BLAST with  Run BLAST with </div>
Positive control	WB: Jurkat cell lysate. IHC-P: Human breast tissue.
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. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Storage buffer	pH: 7.30 Preservative: 0.02% Sodium azide Constituents: Tris buffered saline, 0.5% BSA
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

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab5983 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
IHC-P		Use a concentration of 3 - 6 µg/ml. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
WB	★★★★★ (1)	Use a concentration of 1 - 3 µg/ml. Detects a band of approximately 47 kDa (predicted molecular weight: 47 kDa). 1 hour primary incubation is recommended for this product.

Target

Function

May be involved in several stages of intracellular trafficking. Plays a role in macropinocytosis. Plays a role in the internalization of EGFR after EGF stimulation.

Sequence similarities

Belongs to the sorting nexin family.
Contains 1 BAR domain.
Contains 1 PX (phox homology) domain.

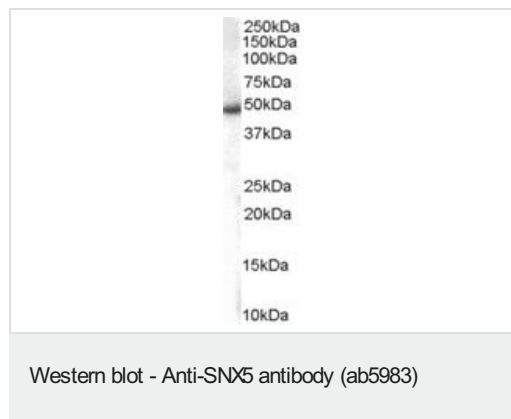
Domain

The PX domain mediates interaction with membranes enriched in phosphatidylinositol 3,4-bisphosphate and/or phosphatidylinositol 4,5-bisphosphate.

Cellular localization

Early endosome membrane. Cell membrane. Cytoplasmic vesicle membrane. Cytoplasm. Cell projection > phagocytic cup. Cell projection > ruffle. Recruited to the plasma membrane after EGF stimulation, which leads to increased levels of phosphatidylinositol 3,4-bisphosphate (PtdIns(3,4)P2). Detected on macropinosomes. Targeted to membrane ruffles in response to EGFR stimulation.

Images

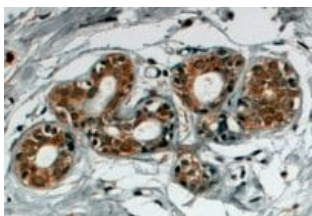


Anti-SNX5 antibody (ab5983) at 1 µg/ml + Jurkat cell lysate (in RIPA buffer) at 35 µg

Predicted band size: 47 kDa

Observed band size: 47 kDa

Primary incubated for 1 hour. Detected using chemiluminescence.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SNX5 antibody (ab5983)

ab5983 at 4µg/ml, staining SNX5 in Human breast tissue by Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections). Steamed antigen retrieval with pH 6 citrate buffer was performed, and the sample was stained with HRP.



Western blot - Anti-SNX5 antibody (ab5983)
Image courtesy of an anonymous Abreview.

Anti-SNX5 antibody (ab5983) at 1/500 dilution + whole cell lysate prepared from murine macrophages treated with INF gamma at 20 µg

Secondary

HRP conjugated rabbit anti-goat polyclonal at 1/5000 dilution

Developed using the ECL technique.

Predicted band size: 47 kDa

Observed band size: 50 kDa

Exposure time: 1 minute

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

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