




## Product datasheet

# Anti-SNX17 antibody ab223046

3 Images

### Overview

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<b>Product name</b>	Anti-SNX17 antibody
<b>Description</b>	Rabbit polyclonal to SNX17
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> IHC-P, ICC/IF, WB
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Human <b>Predicted to work with:</b> Rat, Cow, Orangutan 
<b>Immunogen</b>	Recombinant fragment corresponding to Human SNX17 aa 250 to the C-terminus. Database link: <a href="#">Q15036</a>  <a href="#">Run BLAST with</a>  <a href="#">Run BLAST with</a>
<b>Positive control</b>	WB: Mouse liver and kidney tissue lysates. IHC-P: Human breast cancer tissue. ICC/IF: HepG2 cells.
<b>General notes</b>	<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&amp;As</p>

### Properties

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<b>Form</b>	Liquid
<b>Storage instructions</b>	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.
<b>Storage buffer</b>	pH: 7.40 Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol (glycerin, glycerine), PBS
<b>Purity</b>	Protein G purified
<b>Purification notes</b>	Purity >95%
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

## Applications

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**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab223046 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		1/20 - 1/200.
ICC/IF		1/50 - 1/200.
WB		1/500 - 1/5000. Detects a band of approximately 53 kDa (predicted molecular weight: 50,53 kDa). Western blot not recommended in cell lines

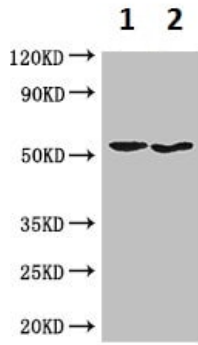
## Target

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<b>Function</b>	Critical regulator of endosomal recycling of numerous receptors, channels, and other transmembrane proteins. Binds to NPxY sequences in the cytoplasmic tails of target cargos. Plays a role in the sorting of endocytosed LRP1 and APP, and prevents their degradation. Required for maintenance of normal cell surface levels of APP and LRP1. Recycles internalized integrins ITGB1, ITGB5 and their associated alpha subunits, preventing them from lysosomal degradation. Interacts with membranes containing phosphatidylinositol 3-phosphate (PtdIns(3P)).
<b>Sequence similarities</b>	Belongs to the sorting nexin family. Contains 1 PX (phox homology) domain. Contains 1 Ras-associating domain.
<b>Domain</b>	The PX domain mediates specific binding to phosphatidylinositol 3-phosphate (PtdIns(P3)). Required for association with endosomes. The PTB-like F3 module within the FERM-like domain mediates cargo recognition via their NPxY sequences, while the F1 module (Ras-associating) is responsible for interaction with membrane-bound HRAS.
<b>Cellular localization</b>	Cytoplasm. Early endosome. Cytoplasmic vesicle membrane.

## Images

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Western blot - Anti-SNX17 antibody (ab223046)

**All lanes :** Anti-SNX17 antibody (ab223046) at 1/500 dilution

**Lane 1 :** Mouse liver tissue lysate

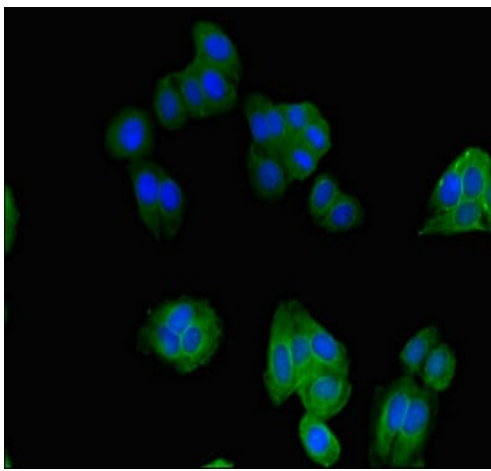
**Lane 2 :** Mouse kidney tissue lysate

**Secondary**

**All lanes :** Goat Anti-Rabbit IgG at 1/50000 dilution

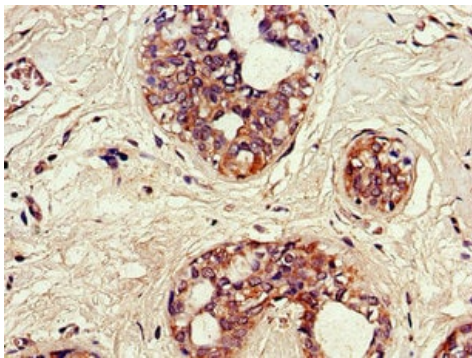
**Predicted band size:** 50,53 kDa

**Observed band size:** 53 kDa



Immunocytochemistry/ Immunofluorescence - Anti-SNX17 antibody (ab223046)

HepG2 (human liver hepatocellular carcinoma cell line) cells stained for SNX17 (green) using ab223046 at 1/100 dilution in ICC/IF. Secondary: Alexa Fluor<sup>®</sup> 488-conjugated Goat Anti-Rabbit IgG (H+L).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SNX17 antibody (ab223046)

Paraffin-embedded human breast cancer tissue stained for SNX17 using ab223046 at 1/100 dilution in immunohistochemical analysis.

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

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