


## Product datasheet

### Anti-Synip antibody [EP302Y] ab40674

RabMAb

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

#### Overview

<b>Product name</b>	Anti-Synip antibody [EP302Y]
<b>Description</b>	Rabbit monoclonal [EP302Y] to Synip
<b>Host species</b>	Rabbit
<b>Specificity</b>	This antibody is specific for Synip. It is predicted to detect the isoform 2 based an sequence analysis.
<b>Tested applications</b>	<b>Suitable for:</b> WB, IHC-P <b>Unsuitable for:</b> ICC/IF or IP
<b>Species reactivity</b>	<b>Reacts with:</b> Human <b>Predicted to work with:</b> Mouse, Rat 
<b>Immunogen</b>	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
<b>Positive control</b>	Human skeletal lysate and human lung carcinoma tissue.
<b>General notes</b>	<p>Our RabMAb<sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb<sup>®</sup> patents</a>.</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&amp;As</p>

#### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
<b>Storage buffer</b>	pH: 7.2 Preservative: 0.05% Sodium azide Constituents: 99% Tissue culture supernatant, 0.1% BSA
<b>Purity</b>	Protein A purified

<b>Clonality</b>	Monoclonal
<b>Clone number</b>	EP302Y
<b>Isotype</b>	IgG

## Applications

**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab40674 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

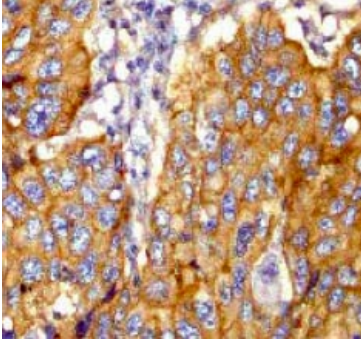
Application	Abreviews	Notes
<b>WB</b>		1/5000 - 1/20000. Detects a band of approximately 68 kDa (predicted molecular weight: 61 kDa).
<b>IHC-P</b>		1/250 - 1/500. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

**Application notes** Is unsuitable for ICC/IF or IP.

## Target

<b>Function</b>	Plays a role in the translocation of transport vesicles from the cytoplasm to the plasma membrane. Inhibits the translocation of SLC2A4 from intracellular vesicles to the plasma membrane by STX4A binding and preventing the interaction between STX4A and VAMP2. Stimulation with insulin disrupts the interaction with STX4A, leading to increased levels of SLC2A4 at the plasma membrane. May also play a role in the regulation of insulin release by pancreatic beta cells after stimulation by glucose.
<b>Sequence similarities</b>	Contains 1 PDZ (DHR) domain. Contains 1 WW domain.
<b>Post-translational modifications</b>	Phosphorylated on Ser-99 by PKB/AKT2 after insulin treatment. Phosphorylation on Ser-99 abolishes the interaction with STX4A (By similarity). Phosphorylated upon DNA damage, probably by ATM or ATR.
<b>Cellular localization</b>	Cytoplasm.

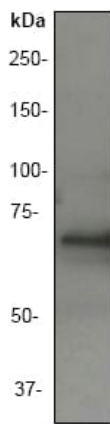
## Images



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Synip antibody [EP302Y] (ab40674)

ab40674 at a 1:250 dilution staining Synip in human lung carcinoma.

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Western blot - Anti-Synip antibody [EP302Y] (ab40674)

Anti-Synip antibody [EP302Y] (ab40674) at 1/5000 dilution + human skeletal lysate

**Predicted band size:** 61 kDa

**Observed band size:** 68 kDa

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

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