


Product datasheet

Anti-Syntaxin 16 antibody [EPR9156] ab134945

Recombinant RabMAb

★★★★★ [4 Abreviews](#) [3 References](#) [5 Images](#)

Overview

Product name	Anti-Syntaxin 16 antibody [EPR9156]
Description	Rabbit monoclonal [EPR9156] to Syntaxin 16
Host species	Rabbit
Tested applications	Suitable for: ICC/IF, WB, IHC-P Unsuitable for: Flow Cyt or IP
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat 
Immunogen	Synthetic peptide within Human Syntaxin 16 aa 50-150. The exact sequence is proprietary.
Positive control	Human testis and lung adenocarcinoma tissues; HepG2 cells; 293T, HeLa, HepG2 and SH-SY5Y cell lysates.
General notes	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at -20°C.
Storage buffer	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture supernatant
Purity	Tissue culture supernatant
Clonality	Monoclonal

Clone number	EPR9156
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab134945 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

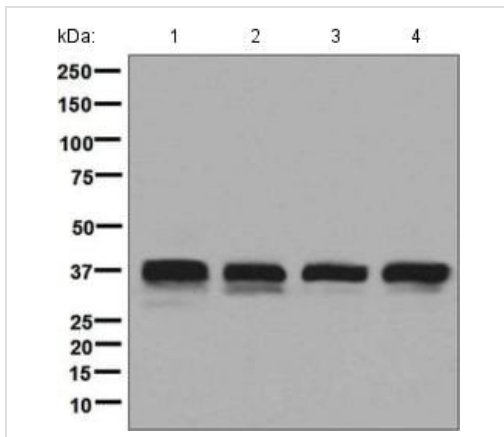
Application	Abreviews	Notes
ICC/IF	★★★★★ (2)	1/100 - 1/250.
WB	★★★★★ (2)	1/1000 - 1/10000. Predicted molecular weight: 37 kDa.
IHC-P		1/50 - 1/100. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

Application notes Is unsuitable for Flow Cyt or IP.

Target

Function	SNARE involved in vesicular transport from the late endosomes to the trans-Golgi network.
Tissue specificity	Ubiquitous.
Involvement in disease	Genetic variations in STX16 may be a cause of pseudohypoparathyroidism type 1B (PHP1B) [MIM:603233]. Pseudohypoparathyroidism refers to a heterogeneous group of disorders characterized by resistance to parathyroid hormone (PTH). PHP1B is characterized by PTH-resistant hypocalcemia and hyperphosphatemia. Patients affected with PHP1B lack developmental defects characteristic of Albright hereditary osteodystrophy, and typically show no other endocrine abnormalities besides resistance to PTH. In some cases microdeletions involving STX16 appear to cause loss of methylation at exon A/B of the GNAS gene, resulting in PHP1B.
Sequence similarities	Belongs to the syntaxin family. Contains 1 t-SNARE coiled-coil homology domain.
Cellular localization	Cytoplasm and Golgi apparatus membrane.

Images



Western blot - Anti-Syntaxin 16 antibody [EPR9156] (ab134945)

All lanes : Anti-Syntaxin 16 antibody [EPR9156] (ab134945) at 1/1000 dilution

Lane 1 : HeLa cell lysate

Lane 2 : HepG2 cell lysate

Lane 3 : 293T cell lysate

Lane 4 : SH-SY5Y cell lysate

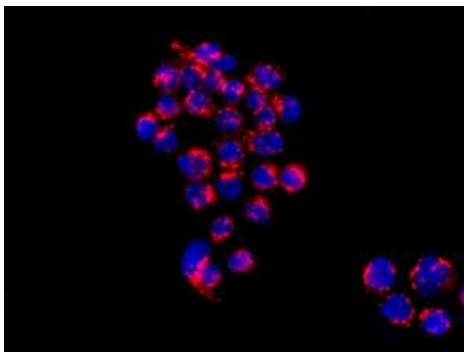
Lysates/proteins at 10 µg per lane.

Secondary

All lanes : Standard HRP labelled goat anti-rabbit at 1/2000 dilution

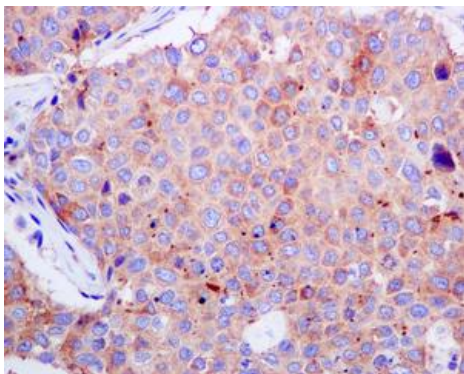
Developed using the ECL technique.

Predicted band size: 37 kDa



Immunocytochemistry/ Immunofluorescence - Anti-Syntaxin 16 antibody [EPR9156] (ab134945)

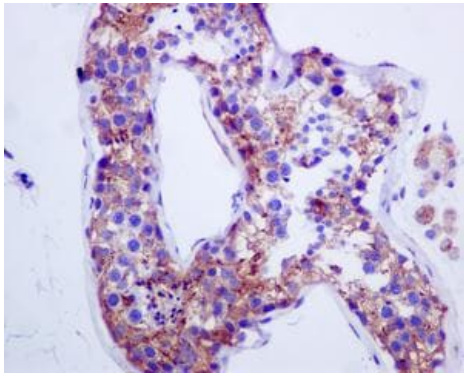
Immunofluorescence staining of HepG2 cells, labelling Syntaxin 16 using ab134945 at a 1/100 dilution (red). Cell nuclei are shown in blue.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Syntaxin 16 antibody [EPR9156] (ab134945)

Immunohistochemical analysis of paraffin-embedded, formalin-fixed Human lung adenocarcinoma tissue, labelling Syntaxin 16 using ab134945 at a 1/50 dilution.

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



Immunohistochemical analysis of paraffin-embedded, formalin-fixed Human testis tissue, labelling Syntaxin 16 using ab134945 at a 1/50 dilution.

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

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Syntaxin 16 antibody [EPR9156] (ab134945)

Why choose a recombinant antibody?



Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

Anti-Syntaxin 16 antibody [EPR9156] (ab134945)

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

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