

Product datasheet

Anti-Syntaxin 16 antibody [EPR9156] - BSA and Azide free ab238922

Recombinant RabMAb

3 Images

Overview

<b>Product name</b>	Anti-Syntaxin 16 antibody [EPR9156] - BSA and Azide free
<b>Description</b>	Rabbit monoclonal [EPR9156] to Syntaxin 16 - BSA and Azide free
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> IHC-P, WB, ICC/IF <b>Unsuitable for:</b> Flow Cyt or IP
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Rat, Human
<b>Immunogen</b>	Synthetic peptide within Human Syntaxin 16 aa 50-150. The exact sequence is proprietary.
<b>Positive control</b>	IHC-P: Human lung adenocarcinoma tissue.
<b>General notes</b>	Ab238922 is the carrier-free version of <a href="#">ab134945</a> . This format is designed for use in antibody labeling, including fluorochromes, metal isotopes, oligonucleotides, enzymes.

Our [carrier-free formats](#) are supplied in a buffer free of BSA, sodium azide and glycerol for higher conjugation efficiency.

Use our [conjugation kits](#) for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.

ab238922 is compatible with the Maxpar® Antibody Labeling Kit from Fluidigm.

*Maxpar® is a trademark of Fluidigm Canada Inc.*

Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to [RabMab® patents](#).

This product is a [recombinant rabbit monoclonal antibody](#).

Properties

<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>	Constituent: PBS
<b>Purity</b>	Protein A purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	EPR9156
<b>Isotype</b>	IgG

## Applications

Our [Abpromise guarantee](#) covers the use of **ab238922** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

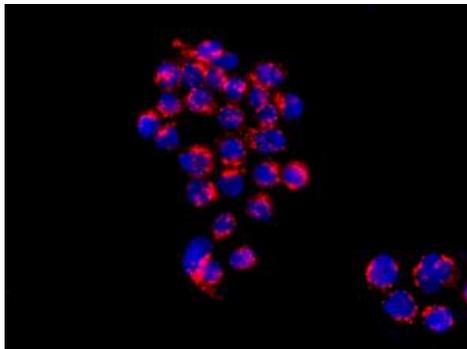
Application	Abreviews	Notes
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
WB		Use at an assay dependent concentration. Predicted molecular weight: 37 kDa.
ICC/IF		Use at an assay dependent concentration.

**Application notes**                      Is unsuitable for Flow Cyt or IP.

## Target

<b>Function</b>	SNARE involved in vesicular transport from the late endosomes to the trans-Golgi network.
<b>Tissue specificity</b>	Ubiquitous.
<b>Involvement in disease</b>	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.
<b>Sequence similarities</b>	Belongs to the syntaxin family. Contains 1 t-SNARE coiled-coil homology domain.
<b>Cellular localization</b>	Cytoplasm and Golgi apparatus membrane.

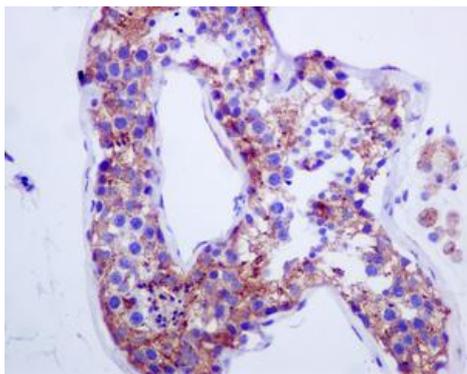
## Images



Immunocytochemistry/ Immunofluorescence - Anti-Syntaxin 16 antibody [EPR9156] - BSA and Azide free (ab238922)

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

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab134945](#)).

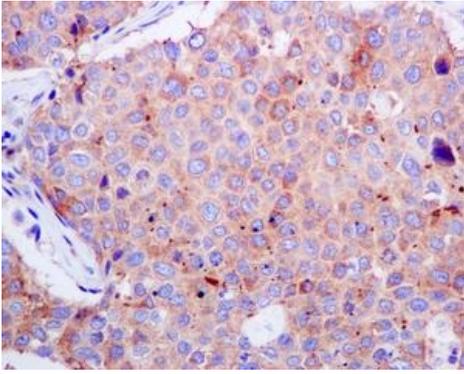


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Syntaxin 16 antibody [EPR9156] - BSA and Azide free (ab238922)

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

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab134945](#)).

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] - BSA and Azide free (ab238922)

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

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab134945](#)).

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

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

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