

Product datasheet

# Anti-Syntenin antibody [EPR8102] (Alexa Fluor® 647) ab205772

Recombinant RabMAb

1 Image

Overview

<b>Product name</b>	Anti-Syntenin antibody [EPR8102] (Alexa Fluor® 647)
<b>Description</b>	Rabbit monoclonal [EPR8102] to Syntenin (Alexa Fluor® 647)
<b>Host species</b>	Rabbit
<b>Conjugation</b>	Alexa Fluor® 647. Ex: 652nm, Em: 668nm
<b>Tested applications</b>	<b>Suitable for:</b> ICC/IF
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Synthetic peptide within Human Syntenin. The exact sequence is proprietary. Database link: <a href="#">O00560</a>
<b>Positive control</b>	ICC/IF: HeLa cells
<b>General notes</b>	This product is a recombinant monoclonal antibody, which offers several advantages including: <ul style="list-style-type: none"> <li>- High batch-to-batch consistency and reproducibility</li> <li>- Improved sensitivity and specificity</li> <li>- Long-term security of supply</li> <li>- Animal-free production</li> </ul> For more information <a href="#">see here</a> .

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

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## 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. Stable for 12 months at -20°C. Store In the Dark.
<b>Storage buffer</b>	pH: 7.4 Preservative: 0.02% Sodium azide Constituents: 30% Glycerol, 1% BSA, PBS
<b>Purity</b>	Protein A purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	EPR8102
<b>Isotype</b>	IgG

## Applications

Our [Abpromise guarantee](#) covers the use of **ab205772** in the following tested applications.

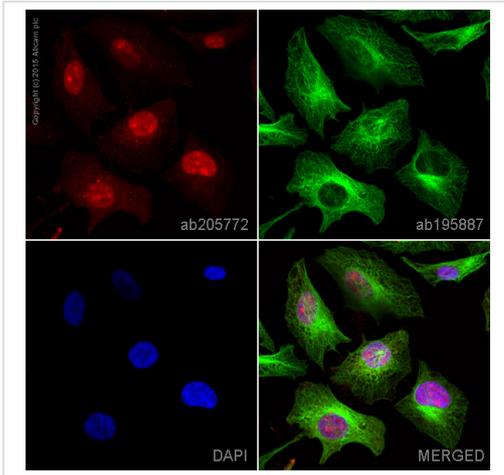
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ICC/IF		1/250 - 1/1000. This product gave a positive signal in HeLa cells fixed with 4% formaldehyde (10 min).

## Target

<b>Function</b>	Seems to function as an adapter protein. In adherens junctions may function to couple syndecans to cytoskeletal proteins or signaling components. Seems to couple transcription factor SOX4 to the IL-5 receptor (IL5RA). May also play a role in vesicular trafficking. Seems to be required for the targeting of TGFA to the cell surface in the early secretory pathway.
<b>Tissue specificity</b>	Widely expressed. Expressed in fetal kidney, liver, lung and brain. In adult highest expression in heart and placenta.
<b>Sequence similarities</b>	Contains 2 PDZ (DHR) domains.
<b>Post-translational modifications</b>	Phosphorylated on tyrosine residues.
<b>Cellular localization</b>	Cell junction > focal adhesion. Cell junction > adherens junction. Cell membrane. Endoplasmic reticulum membrane. Nucleus. Melanosome. Cytoplasm > cytosol. Cytoplasm > cytoskeleton. Mainly membrane-associated. Localized to adherens junctions, focal adhesions and endoplasmic reticulum. Colocalized with actin stress fibers. Also found in the nucleus. Identified by mass spectrometry in melanosome fractions from stage I to stage IV.

## Images



Immunocytochemistry/ Immunofluorescence - Anti-Syntenin antibody [EPR8102] (Alexa Fluor® 647) (ab205772)

ab205772 staining Syntenin in HeLa cells. The cells were fixed with 4% formaldehyde (10 min), permeabilized with 0.1% Triton X-100 for 5 minutes and then blocked with 1% BSA/10% normal goat serum/0.3M glycine in 0.1% PBS-Tween for 1h. The cells were then incubated overnight at +4°C with ab205772 at a 1/250 dilution (shown in red) and ab195887, Mouse monoclonal to alpha Tubulin (Alexa Fluor® 488), at a 1/250 dilution (shown in green). Nuclear DNA was labelled with DAPI (shown in blue).

Image was taken with a confocal microscope (Leica-Microsystems, TCS SP8).

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

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