

## Product datasheet

# Anti-SEC24D antibody [EPR16089] - N-terminal ab191566

Recombinant RabMAb

★★★★☆ 2 Abreviews 4 References 3 Images

### Overview

<b>Product name</b>	Anti-SEC24D antibody [EPR16089] - N-terminal
<b>Description</b>	Rabbit monoclonal [EPR16089] to SEC24D - N-terminal
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Rat, Human
<b>Immunogen</b>	Synthetic peptide within Human SEC24D aa 1-100 (N terminal). The exact sequence is proprietary. Database link: <a href="#">O94855</a>
<b>Positive control</b>	SH-SY5Y, HeLa, Raw264.7, PC-12 and NIH/3T3 cell lysates.
<b>General notes</b>	

This product is a recombinant monoclonal antibody, which offers several advantages including:

- High batch-to-batch consistency and reproducibility
- Improved sensitivity and specificity
- Long-term security of supply
- Animal-free production

For more information [see here](#).

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

Reproducibility is key to advancing scientific discovery and accelerating scientists' next breakthrough.

Abcam is leading the way with our range of recombinant antibodies, knockout-validated antibodies and knockout cell lines, all of which support improved reproducibility.

We are also planning to innovate the way in which we present recommended applications and species on our product datasheets, so that only applications & species that have been tested in our own labs, our suppliers or by selected trusted collaborators are covered by our Abpromise<sup>™</sup> guarantee.

In preparation for this, we have started to update the applications & species that this product is Abpromise guaranteed for.

We are also updating the applications & species that this product has been “predicted to work with,” however this information is not covered by our Abpromise guarantee.

Applications & species from publications and Abreviews that have not been tested in our own labs or in those of our suppliers are not covered by the Abpromise guarantee.

Please check that this product meets your needs before purchasing. 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, as well as customer reviews and Q&As.

## 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: 7.2 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
<b>Purity</b>	Protein A purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	EPR16089
<b>Isotype</b>	IgG

## Applications

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Our [Abpromise guarantee](#) covers the use of **ab191566** 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
WB	★★★★★	1/1000 - 1/2000. Detects a band of approximately 113 kDa (predicted molecular weight: 113 kDa).

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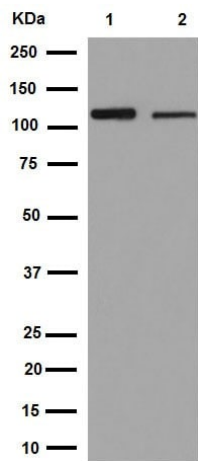
## Target

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<b>Function</b>	Component of the COPII coat, that covers ER-derived vesicles involved in transport from the endoplasmic reticulum to the Golgi apparatus. COPII acts in the cytoplasm to promote the transport of secretory, plasma membrane, and vacuolar proteins from the endoplasmic reticulum to the Golgi complex.
<b>Tissue specificity</b>	Ubiquitously expressed, with higher amounts in placenta, pancreas, heart and liver.
<b>Sequence similarities</b>	Belongs to the SEC23/SEC24 family. SEC24 subfamily.
<b>Cellular localization</b>	Cytoplasm. Cytoplasm > perinuclear region. Endoplasmic reticulum membrane. Golgi apparatus membrane.

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## Images



Western blot - Anti-SEC24D antibody [EPR16089] - N-terminal (ab191566)

**All lanes :** Anti-SEC24D antibody [EPR16089] - N-terminal (ab191566) at 1/5000 dilution

**Lane 1 :** SH-SY5Y cell lysate

**Lane 2 :** HeLa cell lysate

Lysates/proteins at 20 µg per lane.

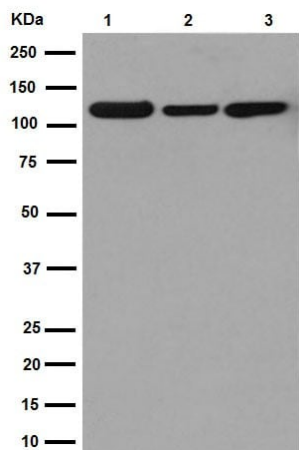
**Secondary**

**All lanes :** Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

**Predicted band size:** 113 kDa

**Observed band size:** 113 kDa

Blocking/Dilution buffer: 5% NFDM /TBST.



Western blot - Anti-SEC24D antibody [EPR16089] - N-terminal (ab191566)

**All lanes :** Anti-SEC24D antibody [EPR16089] - N-terminal (ab191566) at 1/1000 dilution

**Lane 1 :** Raw264.7 cell lysate

**Lane 2 :** PC-12 cell lysate

**Lane 3 :** NIH/3T3 cell lysate

Lysates/proteins at 10 µg per lane.

**Secondary**

**All lanes :** Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

**Predicted band size:** 113 kDa

**Observed band size:** 113 kDa

Blocking/Dilution buffer: 5% NFDM /TBST.

### 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-SEC24D antibody [EPR16089] - N-terminal  
(ab191566)

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

### Our Abpromise to you: Quality guaranteed and expert technical support

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- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

### Terms and conditions

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- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors