

Product datasheet

Anti-ALIX antibody [EPR15314] - N-terminal ab186429

Recombinant RabMAb

★★★★☆ 3 Abreviews 52 References 3 Images

Overview

Product name	Anti-ALIX antibody [EPR15314] - N-terminal
Description	Rabbit monoclonal [EPR15314] to ALIX - N-terminal
Host species	Rabbit
Tested applications	Suitable for: WB Unsuitable for: Flow Cyt
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
Positive control	293, HeLa, K562, Jurkat, RAW 264.7, PC12, and NIH 3T3 cell lysates; Jurkat cells.
General notes	This product is a recombinant monoclonal antibody, which offers several advantages including: <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 For more information see here . Our RabMAb [®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents .

Properties

Form	Liquid
Storage instructions	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.
Storage buffer	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 0.05% BSA, 40% Glycerol
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR15314
Isotype	IgG

Applications

The Abpromise guarantee

Our [Abpromise guarantee](#) covers the use of ab186429 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	★★★★☆ (2)	1/1000 - 1/10000. Detects a band of approximately 97, 80 kDa (predicted molecular weight: 97 kDa).

Application notes

Is unsuitable for Flow Cyt.

Target

Function

Class E VPS protein involved in concentration and sorting of cargo proteins of the multivesicular body (MVB) for incorporation into intraluminal vesicles (ILVs) that are generated by invagination and scission from the limiting membrane of the endosome. Binds to the phospholipid lysobisphosphatidic acid (LBPA) which is abundant in MVBs internal membranes. The MVB pathway appears to require the sequential function of ESCRT-O, -I, -II and -III complexes. The ESCRT machinery also functions in topologically equivalent membrane fission events, such as the terminal stages of cytokinesis and enveloped virus budding (HIV-1 and other lentiviruses). Appears to be an adapter for a subset of ESCRT-III proteins, such as CHMP4, to function at distinct membranes. Required for completion of cytokinesis. Involved in HIV-1 virus budding. Can replace TSG101 in its role of supporting HIV-1 release; this function implies the interaction with CHMP4B. May play a role in the regulation of both apoptosis and cell proliferation.

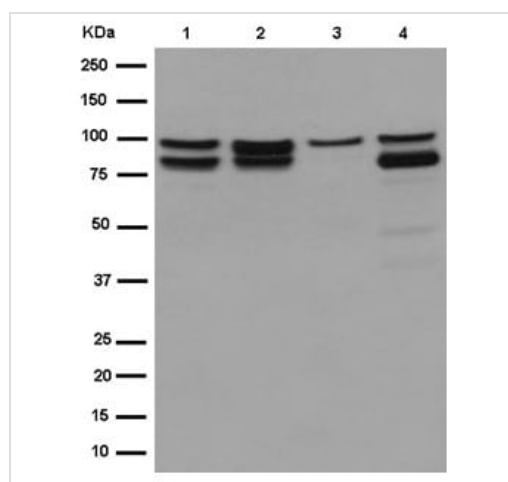
Sequence similarities

Contains 1 BRO1 domain.

Cellular localization

Cytoplasm > cytosol. Melanosome. Cytoplasm > cytoskeleton > centrosome. Identified by mass spectrometry in melanosome fractions from stage I to stage IV. Colocalized with CEP55 in the midbody during cytokinesis. Colocalized with CEP55 at centrosomes of non-dividing cells.

Images



Western blot - Anti-ALIX antibody [EPR15314] - N-terminal (ab186429)

All lanes : Anti-ALIX antibody [EPR15314] - N-terminal (ab186429) at 1/5000 dilution

Lane 1 : C6 cell lysate

Lane 2 : RAW 246.7 cell lysate

Lane 3 : PC12 cell lysate

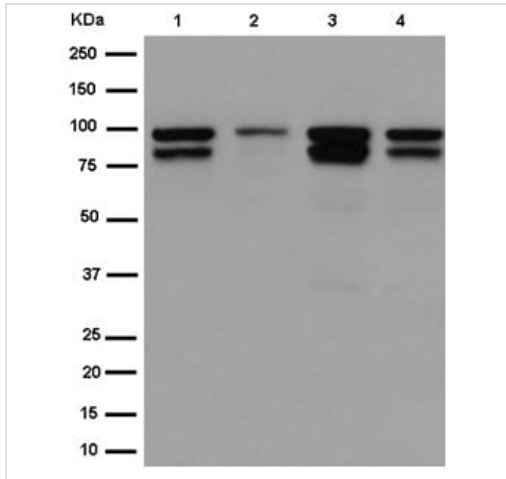
Lane 4 : NIH 3T3 cell lysate

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: 97 kDa



Western blot - Anti-ALIX antibody [EPR15314] - N-terminal (ab186429)

All lanes : Anti-ALIX antibody [EPR15314] - N-terminal (ab186429) at 1/5000 dilution

Lane 1 : 293 cell lysate

Lane 2 : HeLa cell lysate

Lane 3 : K562 cell lysate

Lane 4 : Jurkat 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: 97 kDa

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-ALIX antibody [EPR15314] - N-terminal (ab186429)

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

- 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

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