

Product datasheet

Anti-Myosin VIIa/MYO7A antibody [EPR7497] ab150386

Recombinant RabMAb

[5 References](#) [4 Images](#)

Overview

Product name	Anti-Myosin VIIa/MYO7A antibody [EPR7497]
Description	Rabbit monoclonal [EPR7497] to Myosin VIIa/MYO7A
Host species	Rabbit
Tested applications	Suitable for: WB, ICC/IF, Flow Cyt (Intra) Unsuitable for: IHC-P or IP
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Synthetic peptide within Human Myosin VIIa/MYO7A aa 1-100. The exact sequence is proprietary.
Positive control	Rat and mouse testis lysates; Y79 and A97 cells
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. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
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	EPR7497
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab150386 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 - 1/10000. Predicted molecular weight: 254 kDa.
ICC/IF		1/100 - 1/250.
Flow Cyt (Intra)		1/100 - 1/500. ab172730 - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.

Application notes

Is unsuitable for IHC-P or IP.

Target

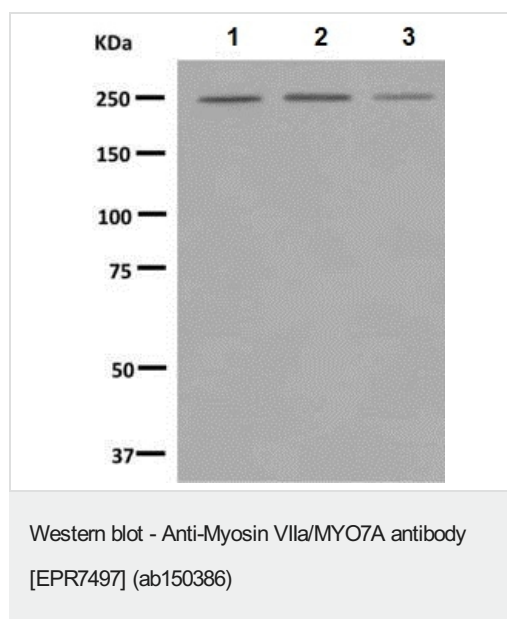
Relevance

Myosins are actin-based motor molecules with ATPase activity. Unconventional myosins serve in intracellular movements. Their highly divergent tails are presumed to bind to membranous compartments, which would be moved relative to actin filaments. In retina, myosin VIIa may play a role in trafficking of ribbon-synaptic vesicle complexes and renewal of the outer photoreceptors disks. In inner ear, it may maintain the rigidity of stereocilia during the dynamic movements of the bundle.

Cellular localization

Cytoplasmic, cytoskeleton

Images



All lanes : Anti-Myosin VIIa/MYO7A antibody [EPR7497] (ab150386) at 1/1000 dilution

Lane 1 : Y79 (Human retinoblastoma cell line) cell lysate

Lane 2 : Rat testis tissue lysate

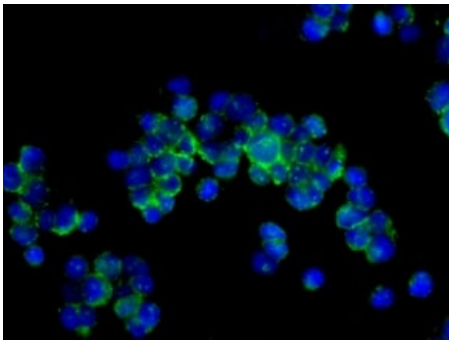
Lane 3 : Mouse testis tissue lysate

Lysates/proteins at 10 µg per lane.

Secondary

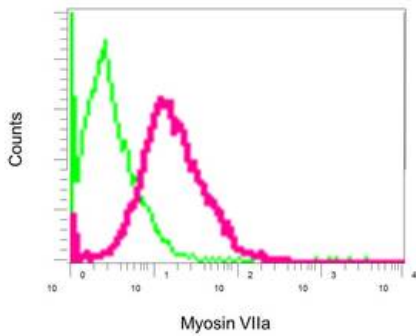
All lanes : HRP labelled goat-anti rabbit antibody at 1/2000 dilution

Predicted band size: 254 kDa



Immunofluorescence analysis of A97 cells labeling Myosin VIIa/MYO7A with ab150386 at a 1/100 dilution.


Immunocytochemistry/ Immunofluorescence - Anti-Myosin VIIa/MYO7A antibody [EPR7497] (ab150386)




Intracellular flow cytometric analysis of permeabilized Y79 cells labeling Myosin VIIa/MYO7A with ab150386 at a 1/100 dilution.

Flow Cytometry (Intracellular) - Anti-Myosin VIIa/MYO7A antibody [EPR7497] (ab150386)

Why choose a recombinant antibody?

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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-Myosin VIIa/MYO7A antibody [EPR7497] (ab150386)

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
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- 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

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