



Product datasheet

Anti-MYO9B antibody ab243451

2 Images

Overview

Product name	Anti-MYO9B antibody
Description	Rabbit polyclonal to MYO9B
Host species	Rabbit
Tested applications	Suitable for: IHC-P, ICC/IF
Species reactivity	Reacts with: Human
Immunogen	<p>Recombinant fragment corresponding to Human MYO9B aa 1377-1452. Sequence:</p> <p>TDGERSAKKPAVQKKKPGDASSLPDAGLSPGSQVDSKS TFKRLFLHKTKD KKYSLEGAEELNAVSGHVVLEATTM</p> <p>Database link: Q13459</p> <p style="text-align: right;">  Run BLAST with  Run BLAST with </p>
Positive control	ICC/IF: A431 cells. IHC-P: Human tonsil tissue.
General notes	<p>Reproducibility is key to advancing scientific discovery and accelerating scientists' next breakthrough.</p> <p>Abcam is leading the way with our range of recombinant antibodies, knockout-validated antibodies and knockout cell lines, all of which support improved reproducibility.</p> <p>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™ guarantee.</p> <p>In preparation for this, we have started to update the applications & species that this product is Abpromise guaranteed for.</p> <p>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.</p> <p>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.</p> <p>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.</p>

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: 7.20 Preservative: 0.02% Sodium azide Constituents: 40% Glycerol (glycerin, glycerine), PBS
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab243451** in the following tested applications.

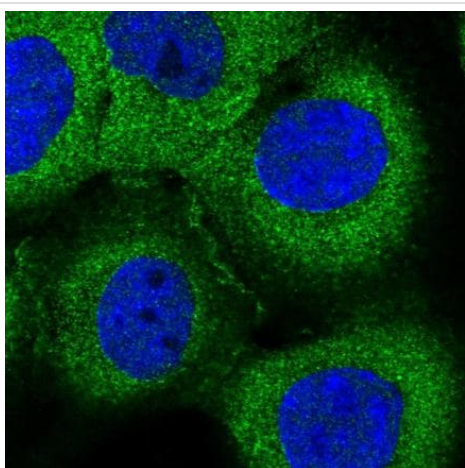
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		1/50 - 1/200. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
ICC/IF		Use a concentration of 0.25 - 2 µg/ml. Fixation/Permeabilization: PFA/Triton X-100.

Target

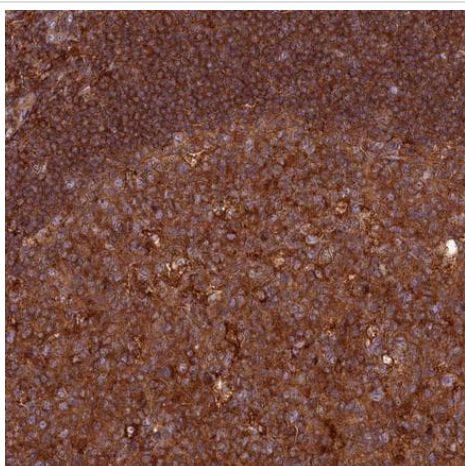
Relevance	Myosin IX belongs to the family of unconventional myosins, distinct from the classical myosins I and myosins II. Myosin IX, thought to be involved in signal transduction and leukocyte differentiation, includes several isoforms. The rat isoforms are myosin IX/Myr5 (230 kDa) and Myr7 (300 kDa), and the human isoforms are myosin IXa (MYO9A) and myosin IXb (MYO9B). The isoforms of myosin IX have similar overall domain structure and are expressed in many tissues and cell types, although they have distinct tissue expression patterns. The subcellular localization of class IX myosins appears to be partly cytoplasmic, and partly associated with membranes and the actin cytoskeleton. The expression level of myosins IX may vary during development and differentiation.
Cellular localization	Cytoplasm; cell cortex. Cytoplasm; perinuclear region. Note=In undifferentiated cells colocalizes with F-actin in the cell periphery while in differentiated cells its localization is cytoplasmic with the highest levels in the perinuclear region.

Images



Immunocytochemistry/ Immunofluorescence - Anti-MYO9B antibody (ab243451)

PFA fixed, Triton X-100 permeabilized A431 (Human epidermoid carcinoma cell line) cells labeling MYO9B using ab243451 at 4 µg/ml (green) in ICC/IF. Nuclear probe is visualized in blue.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MYO9B antibody (ab243451)

Formalin-fixed, paraffin-embedded human tonsil tissue stained for MYO9B with ab243451 at 1/50 dilution in immunohistochemical analysis.

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