

## Product datasheet

# Anti-FHOD1 antibody ab224461

★★★★★ [1 Abreviews](#) [2 Images](#)

### Overview

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<b>Product name</b>	Anti-FHOD1 antibody
<b>Description</b>	Rabbit polyclonal to FHOD1
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> IHC-P, ICC/IF
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Recombinant fragment corresponding to Human FHOD1 aa 450-600. Database link: <a href="#">Q9Y613</a> <a href="#">Run BLAST with</a> <a href="#">Run BLAST with</a>
<b>Positive control</b>	IHC-P: Human lymph node tissue. ICC/IF: A431 cells.
<b>General notes</b>	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>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, along with publications, customer reviews and Q&amp;As</p>

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

### Applications

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## The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab224461 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		1/200 - 1/500. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
ICC/IF	★★★★★ (1)	Use a concentration of 0.25 - 2 µg/ml. Fixation/Permeabilization: PFA/Triton X-100.

## Target

### Function

Required for the assembly of F-actin structures, such as stress fibers. Depends on the Rho-ROCK cascade for its activity. Contributes to the coordination of microtubules with actin fibers and plays a role in cell elongation.

### Tissue specificity

Ubiquitous. Highly expressed in spleen.

### Sequence similarities

Belongs to the formin homology family.  
Contains 1 FH1 (formin homology 1) domain.  
Contains 1 FH2 (formin homology 2) domain.  
Contains 1 GBD/FH3 (Rho GTPase-binding/formin homology 3) domain.

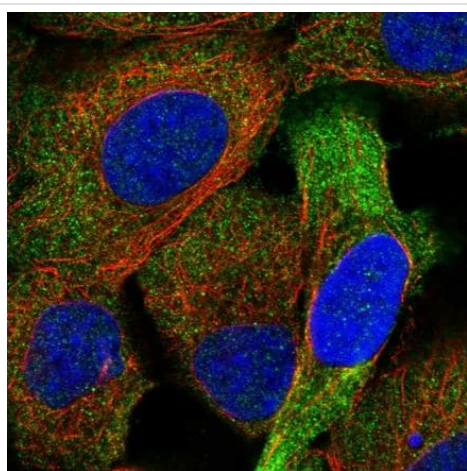
### Domain

Regulated by intramolecular binding to a C-terminal auto-inhibitory domain. Effector binding abolishes this interaction and activates the protein.

### Cellular localization

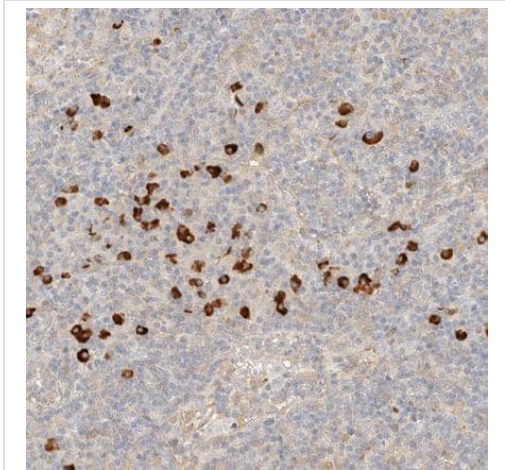
Cytoplasm. Cytoplasm > cytoskeleton. Predominantly cytoplasmic.

## Images



PFA-fixed, Triton X-100 permeabilized A431 (human epidermoid carcinoma cell line) cells stained for FHOD1 (green) using ab224461 at 4 µg/ml in ICC/IF.

Immunocytochemistry/ Immunofluorescence - Anti-FHOD1 antibody (ab224461)



Paraffin-embedded human lymph node tissue stained for FHOD1 using ab224461 at 1/200 dilution in immunohistochemical analysis.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-FHOD1 antibody (ab224461)

**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