

Product datasheet

Anti-Fragilis antibody [EPR5242] ab109429

Recombinant RabMAb

★★★★☆ **1 Abreviews** **16 References** [4 Images](#)

Overview

Product name	Anti-Fragilis antibody [EPR5242]
Description	Rabbit monoclonal [EPR5242] to Fragilis
Host species	Rabbit
Specificity	Predicted cross-reactivity with IFITM2 (93% homology) but this has not been tested.
Tested applications	Suitable for: WB, IHC-P Unsuitable for: Flow Cyt or IP
Species reactivity	Reacts with: Human
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	WB: HeLa whole cell lysate (PMID: 21177806), Recombinant Human Fragilis protein. IHC-P: Human kidney tissue. This antibody gave a positive result when used in the following formaldehyde fixed cell lines: HeLa.
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> <p>Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.</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. Stable for 12 months at -20°C.
Storage buffer	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.5% BSA

Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR5242
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab109429 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

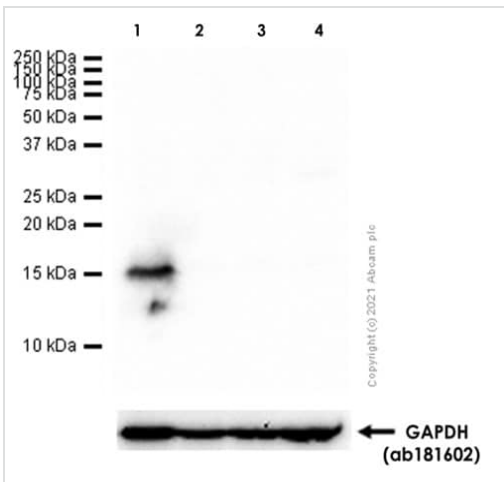
Application	Abreviews	Notes
WB		1/1000 - 1/10000. Predicted molecular weight: 15 kDa.
IHC-P		1/250 - 1/500. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol. Antigen retrieval is recommended.

Application notes Is unsuitable for Flow Cyt or IP.

Target

Function	IFN-induced antiviral protein that mediates cellular innate immunity to at least three major human pathogens, namely influenza A H1N1 virus, West Nile virus (WNV), and dengue virus (DENV), by inhibiting the early step(s) of replication.
Sequence similarities	Belongs to the CD225 family.
Post-translational modifications	Palmitoylation on membrane-proximal cysteines controls clustering in membrane compartments and antiviral activity against influenza virus.
Cellular localization	Cell membrane.

Images



Western blot - Anti-Fragilis antibody [EPR5242] (ab109429)

All lanes : Anti-Fragilis antibody [EPR5242] (ab109429) at 1/1000 dilution

Lane 1 : HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysate

Lane 2 : 293T (Human embryonic kidney epithelial cell) whole cell lysate

Lane 3 : HAP1 (Human chronic myelogenous leukemia near-haploid cell line) whole cell lysate

Lane 4 : Jurkat (Human T cell leukemia T lymphocyte) whole cell lysate

Lysates/proteins at 20 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/20000 dilution

Developed using the ECL technique.

Predicted band size: 15 kDa

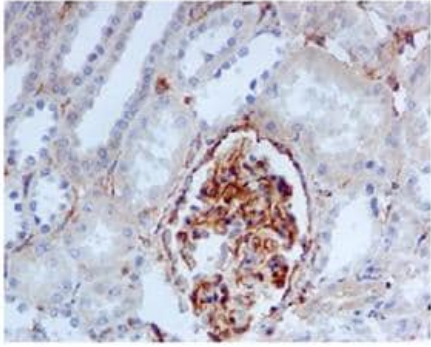
Observed band size: 15 kDa

Exposure time: 1 second

Lane 1: Positive control - HeLa (PMID: 21177806)

Lanes 2-4: Negative control - 293T and Jurkat (PMID: 21177806)
HAP1 (PMID: 29079573).

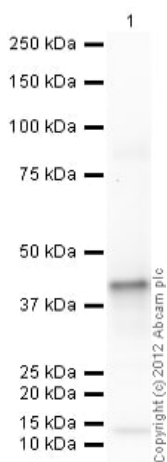
Blocking buffer: 5% NFD/MTBST



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Fragilis antibody [EPR5242] (ab109429)

Immunohistochemical analysis of Fragilis in paraffin-embedded Human kidney tissue using ab109429 at 1/250 dilution.

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Western blot - Anti-Fragilis antibody [EPR5242] (ab109429)

Anti-Fragilis antibody [EPR5242] (ab109429) at 1/1000 dilution + Recombinant Human Fragilis protein ([ab92921](#)) at 0.01 µg

Secondary

Goat Anti-Rabbit IgG H&L (HRP) preadsorbed ([ab97080](#)) at 1/5000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

Predicted band size: 15 kDa

Exposure time: 10 seconds

Why choose a recombinant antibody?

 <p>Research with confidence Consistent and reproducible results</p>	 <p>Long-term and scalable supply Recombinant technology</p>
 <p>Success from the first experiment Confirmed specificity</p>	 <p>Ethical standards compliant Animal-free production</p>

Anti-Fragilis antibody [EPR5242] (ab109429)

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