


Anti-IMP1 antibody [EPR15405] α b191570

Recombinant RabMAb

5 Images

Overview

| | |
|---------------------|---|
| Product name | Anti-IMP1 antibody [EPR15405] |
| Description | Rabbit monoclonal [EPR15405] to IMP1 |
| Host species | Rabbit |
| Tested applications | Suitable for: Flow Cyt (Intra), WB |
| Species reactivity | Reacts with: Mouse, Human Predicted to work with: Rat  |
| Immunogen | Synthetic peptide. This information is proprietary to Abcam and/or its suppliers. |
| Positive control | Human testis lysate; Jurkat; PC3 and HCT 116 cell lysates; Mouse brain lysate; PC3 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. 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: 40% Glycerol (glycerin, glycerine), 59% PBS, 0.05% BSA |
| Purity | Protein A purified |
| Clonality | Monoclonal |
| Clone number | EPR15405 |
| Isotype | IgG |

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab191570 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 |
|------------------|-----------|--|
| Flow Cyt (Intra) | | 1/300. ab172730 - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody. |
| WB | | 1/10000 - 1/100000. Predicted molecular weight: 30 kDa. |

Target

Function

Responsible for the provision of inositol required for synthesis of phosphatidylinositol and polyphosphoinositides and has been implicated as the pharmacological target for lithium action in brain. Can use myo-inositol monophosphates, myo-inositol-1,3-diphosphate, myo-inositol-1,4-diphosphate, scyllo-inositol-phosphate, glucose-1-phosphate, glucose-6-phosphate, fructose-1-phosphate, beta-glycerophosphate, and 2'-AMP as substrates.

Pathway

Polyol metabolism; myo-inositol biosynthesis; myo-inositol from D-glucose 6-phosphate: step 2/2.

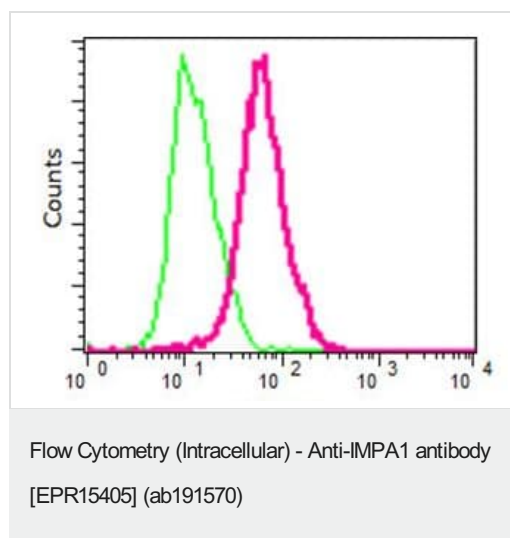
Sequence similarities

Belongs to the inositol monophosphatase family.

Cellular localization

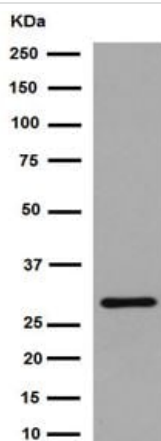
Cytoplasm.

Images



Intracellular flow cytometric analysis of PC3 cells labeling IMP1 using ab191570 at 1/300 dilution (red), Isotype control (green).

Secondary antibody was Goat anti rabbit IgG (FITC) at 1/150 dilution. Cells were fixed in 2% paraformaldehyde prior to staining.



Western blot - Anti-IMP1 [EPR15405] antibody (ab191570)

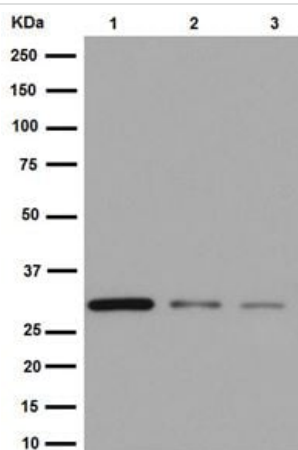
Anti-IMP1 antibody [EPR15405] (ab191570) at 1/20000 dilution +
Mouse brain tissue lysate at 10 µg

Secondary

Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

Predicted band size: 30 kDa

5% NFDM/TBST blocking buffer



Western blot - Anti-IMP1 [EPR15405] antibody (ab191570)

All lanes : Anti-IMP1 antibody [EPR15405] (ab191570) at
1/20000 dilution

Lane 1 : Jurkat cell lysate

Lane 2 : PC3 cell lysate

Lane 3 : HCT 116 cell lysate

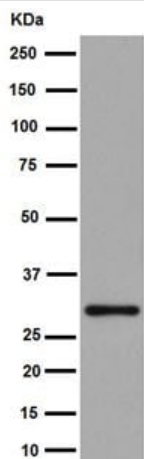
Lysates/proteins at 20 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at
1/1000 dilution

Predicted band size: 30 kDa

5% NFDM/TBST blocking buffer



Western blot - Anti-IMP1 [EPR15405] antibody (ab191570)

Anti-IMP1 antibody [EPR15405] (ab191570) at 1/100000 dilution
+ Human testis lysate at 20 µg

Secondary

Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

Predicted band size: 30 kDa

5% NFDM/TBST blocking buffer

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-IMP1 antibody [EPR15405] (ab191570)

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