

Product datasheet

Anti-Agpat2 antibody ab172505

1 Image

Overview

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|                            |  |
|----------------------------|--|
| <b>Product name</b>        | Anti-Agpat2 antibody   |
| <b>Description</b>         | Mouse polyclonal to Agpat2   |
| <b>Host species</b>        | Mouse  |
| <b>Tested applications</b> | <b>Suitable for:</b> WB  |
| <b>Species reactivity</b>  | <b>Reacts with:</b> Human  |
| <b>Immunogen</b>           | Recombinant full length protein within Human Agpat2 aa 1 to the C-terminus. The exact immunogen sequence used to generate this antibody is proprietary information. If additional detail on the immunogen is needed to determine the suitability of the antibody for your needs, please <a href="#">contact</a> our Scientific Support team to discuss your requirements. (NP_006403.2). Database link: <a href="#">O15120</a> |

 [Run BLAST with](#)

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**Positive control** AGPAT2 transfected 293T lysate

**General notes**

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.

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&As

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: 7.4<br>Constituent: 100% PBS  |
| <b>Purity</b>               | Protein A purified  |
| <b>Clonality</b>            | Polyclonal  |
| <b>Isotype</b>              | IgG   |

## Applications

### The Abpromise guarantee

Our [Abpromise guarantee](#) covers the use of ab172505 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          |           | Use a concentration of 1 µg/ml. Predicted molecular weight: 31 kDa. |

## Target

### Function

Converts lysophosphatidic acid (LPA) into phosphatidic acid by incorporating an acyl moiety at the sn-2 position of the glycerol backbone.

### Tissue specificity

Expressed predominantly in heart and liver.

### Pathway

Phospholipid metabolism; CDP-diacylglycerol biosynthesis; CDP-diacylglycerol from sn-glycerol 3-phosphate: step 2/3.

### Involvement in disease

Defects in AGPAT2 are the cause of congenital generalized lipodystrophy type 1 (CGL1) [MIM:608594]; also known as Berardinelli-Seip congenital lipodystrophy type 1 (BSCL1) or Berardinelli-Seip syndrome. CGL1 is an autosomal recessive disorder characterized by marked paucity of adipose tissue, extreme insulin resistance, hypertriglyceridemia, hepatic steatosis and early onset of diabetes.

### Sequence similarities

Belongs to the 1-acyl-sn-glycerol-3-phosphate acyltransferase family.

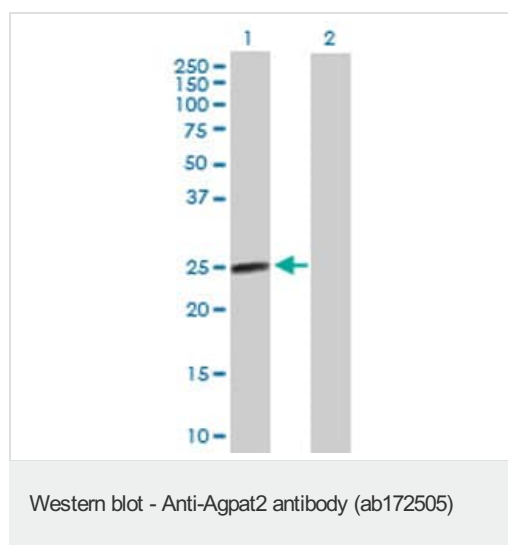
### Domain

The HXXXXD motif is essential for acyltransferase activity and may constitute the binding site for the phosphate moiety of the glycerol-3-phosphate.

### Cellular localization

Membrane.

## Images



**All lanes** : Anti-Agpat2 antibody (ab172505) at 1 µg/ml

**Lane 1** : Agpat2 transfected 293T lysate

**Lane 2** : Non-transfected 293T lysate

Lysates/proteins at 15 µl per lane.

Developed using the ECL technique.

**Predicted band size:** 31 kDa

**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