


Product datasheet

Anti-AGPAT3 antibody ab211435

2 Images

Overview

Product name	Anti-AGPAT3 antibody
Description	Rabbit polyclonal to AGPAT3
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat 
Immunogen	Synthetic peptide within Human AGPAT3 aa 121-170. The exact sequence is proprietary. Sequence: LAKKELLYVP LIGWTWYFLE IVFCKRKWEE DRDTVVEGLR RLSDYPEYMW Database link: Q9NRZ7 Run BLAST with Run BLAST with
Positive control	WB - K562 cell lysate IHC-P- Human kidney 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: 7.40 Preservative: 0.02% Sodium azide Constituents: 49% PBS, 50% Glycerol, 0.87% Sodium chloride (without Mg ²⁺ , Ca ²⁺)
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab211435** in the following tested applications.

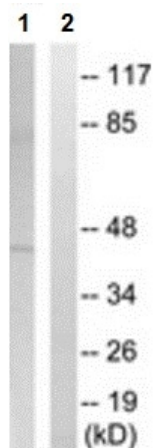
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/500 - 1/1000. Predicted molecular weight: 43 kDa.
IHC-P		Use a concentration of 10 µg/ml. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.

Target

Function	Converts lysophosphatidic acid (LPA) into phosphatidic acid by incorporating an acyl moiety at the sn-2 position of the glycerol backbone.
Pathway	Phospholipid metabolism; CDP-diacylglycerol biosynthesis; CDP-diacylglycerol from sn-glycerol 3-phosphate: step 2/3.
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	Endoplasmic reticulum membrane.

Images



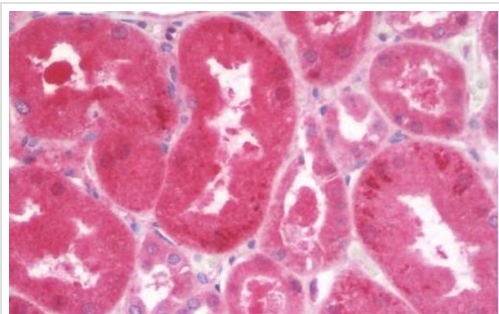
Western blot - Anti-AGPAT3 antibody (ab211435)

All lanes : Anti-AGPAT3 antibody (ab211435) at 1/500 dilution

Lane 1 : K562 cell lysate

Lane 2 : K562 cell lysate with Synthetic peptide from Human AGPAT3 (aa121-170)

Predicted band size: 43 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-AGPAT3 antibody (ab211435)

Immunohistochemical analysis of formalin fixed, paraffin embedded Human kidney tissue labeling AGPAT3 with ab211435 at 10 µg/ml.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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