

Product datasheet

Anti-MBOAT2 antibody ab121453

3 Images

Overview

Product name	Anti-MBOAT2 antibody
Description	Rabbit polyclonal to MBOAT2
Host species	Rabbit
Tested applications	Suitable for: ICC/IF, IHC-P, WB
Species reactivity	Reacts with: Human
Immunogen	antigen sequence corresponding to amino acids 468-520 (TQRRKNTNEN IQLSQSKKFD EGENSLGQNS FSTTNVVCNQ NQEIASRHSS LKQ) of Human MBOAT2. Run BLAST with ExPASy Run BLAST with NCBI
Positive control	Human colon tissue; RT-4 and U-251 MG cell lysates; Human Liver lysate
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
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Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	pH: 7.20 Preservative: 0.02% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine)
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab121453** in the following tested applications.

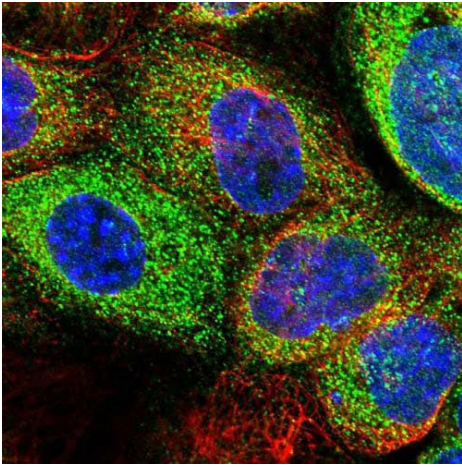
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ICC/IF		Use a concentration of 1 - 4 µg/ml. Recommend PFA Fixation and Triton X-100 treatment
IHC-P		1/1000 - 1/2500. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
WB		Use a concentration of 0.04 - 0.4 µg/ml.

Target

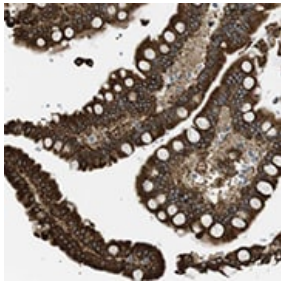
Function	Acyltransferase which mediates the conversion of lysophosphatidylethanolamine (1-acyl-sn-glycero-3-phosphoethanolamine or LPE) into phosphatidylethanolamine (1,2-diacyl-sn-glycero-3-phosphoethanolamine or PE) (LPEAT activity). Catalyzes also the acylation of lysophosphatidic acid (LPA) into phosphatidic acid (PA) (LPAAT activity). Has also a very weak lysophosphatidylcholine acyltransferase (LPCAT activity). Prefers oleoyl-CoA as the acyl donor. Lysophospholipid acyltransferases (LPLATs) catalyze the reacylation step of the phospholipid remodeling pathway also known as the Lands cycle.
Tissue specificity	Expressed in neutrophils.
Pathway	Lipid metabolism; phospholipid metabolism.
Sequence similarities	Belongs to the membrane-bound acyltransferase family.
Cellular localization	Membrane.

Images



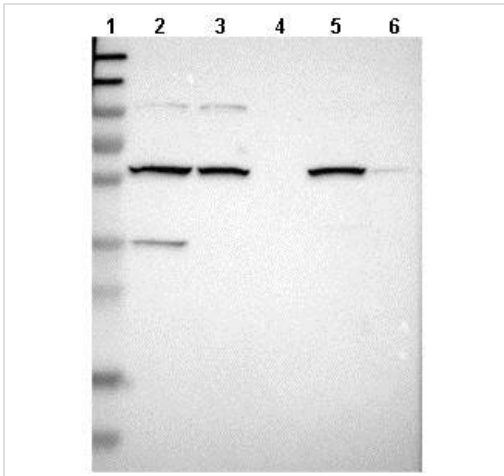
Immunocytochemistry/ Immunofluorescence - Anti-MBOAT2 antibody (ab121453)

Immunofluorescent staining of Human cell line A-431 shows positivity in cytoplasm. Recommended concentration of ab121453 1-4 $\mu\text{g/ml}$. Cells treated with PFA/Triton X-100.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MBOAT2 antibody (ab121453)

ab121453, at 1/1500 dilution, staining MBOAT2 in paraffin-embedded Human colon tissue by Immunohistochemistry.



Western blot - Anti-MBOAT2 antibody (ab121453)

All lanes : Anti-MBOAT2 antibody (ab121453) at 1/250 dilution

Lane 1 : Marker [kDa] 230, 130, 95, 72, 56, 36, 28, 17, 11

Lane 2 : RT-4 cell lysate

Lane 3 : U-251 MG cell lysate

Lane 4 : Human Plasma lysate

Lane 5 : Human Liver lysate

Lane 6 : Human Tonsil lysate

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

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