


Product datasheet

Anti-Apolipoprotein O antibody ab246865

3 Images

Overview

Product name	Anti-Apolipoprotein O antibody
Description	Rabbit polyclonal to Apolipoprotein O
Host species	Rabbit
Tested applications	Suitable for: IHC-P, WB, ICC/IF
Species reactivity	Reacts with: Human Predicted to work with: Cow 
Immunogen	Recombinant fragment corresponding to Human Apolipoprotein O aa 133-198. Sequence: IKKLVYPPGFMGLAASLYPQQAMFAQVSGERLYDWGLR GYVIEDLWK ENFQKPGNVKNSPGTK Database link: Q9BUR5 Run BLAST with Run BLAST with
Positive control	WB: RT4 and U-251 MG whole cell lysates. IHC-P: Human duodenum tissue. ICC/IF: A431 cells.
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: 7.20 Preservative: 0.02% Sodium azide Constituents: 40% Glycerol (glycerin, glycerine), PBS
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab246865** in the following tested applications.

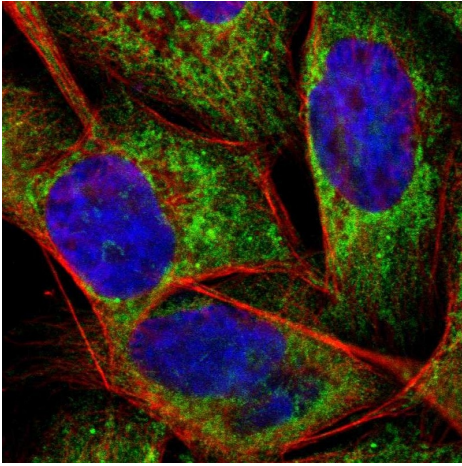
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		1/20 - 1/50. 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. Predicted molecular weight: 22 kDa.
ICC/IF		Use a concentration of 0.25 - 2 µg/ml. Fixation/Permeabilization: PFA/Triton X-100.

Target

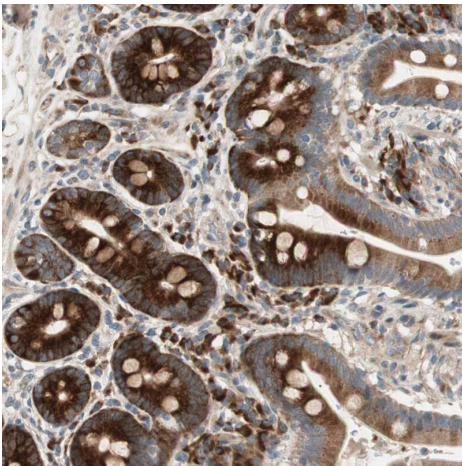
Function	Promotes cholesterol efflux from macrophage cells. Detected in HDL, LDL and VLDL. Secreted by a microsomal triglyceride transfer protein (MTTP)-dependent mechanism, probably as a VLDL-associated protein that is subsequently transferred to HDL. May be involved in myocardium-protective mechanisms against lipid accumulation.
Tissue specificity	Expressed in all tissues examined. Up-regulated in diabetic heart.
Sequence similarities	Belongs to the apolipoprotein O family.
Post-translational modifications	O-glycosylation; glycosaminoglycan of chondroitin-sulfate type.
Cellular localization	Membrane. Secreted.

Images



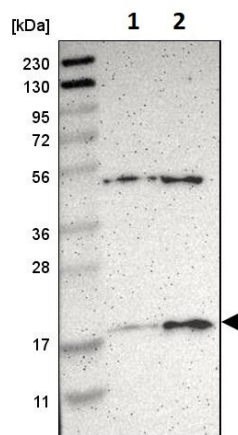
Immunocytochemistry/ Immunofluorescence - Anti-Apolipoprotein O antibody (ab246865)

PFA-fixed, Triton X-100 permeabilized A431 (human epidermoid carcinoma cell line) cells stained for Apolipoprotein O (green) using ab246865 at 4 μ g/ml in ICC/IF.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Apolipoprotein O antibody (ab246865)

Paraffin-embedded human duodenum tissue stained for Apolipoprotein O using ab246865 at 1/20 dilution in immunohistochemical analysis.



Western blot - Anti-Apolipoprotein O antibody
(ab246865)

All lanes : Anti-Apolipoprotein O antibody (ab246865) at 0.4 μ g/ml

Lane 1 : RT4 (human urinary bladder cancer cell line) whole cell lysate

Lane 2 : U-251 MG (human brain glioma cell line) whole cell lysate

Predicted band size: 22 kDa

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

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