

Product datasheet

Anti-DGAT2L4 antibody ab204904

1 References 3 Images

Overview

Product name	Anti-DGAT2L4 antibody
Description	Rabbit polyclonal to DGAT2L4
Host species	Rabbit
Tested applications	Suitable for: IHC-P
Species reactivity	<p>Reacts with: Human</p> <p>Predicted to work with: Mouse </p>
Immunogen	<p>Recombinant fragment corresponding to Human DGAT2L4 aa 218-267. Sequence:</p> <p>PLIPAYAFGETDLYDQHIFTPGGFVNRFQKWFQSMVHIYPC AFYGRGFTK</p> <p>Database link: Q6E213</p> <p style="text-align: right;"> Run BLAST with Run BLAST with </p>
Positive control	IHC-P: Human skin 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: 7.20 Preservative: 0.02% Sodium azide Constituents: PBS, 40% Glycerol
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab204904** in the following tested applications.

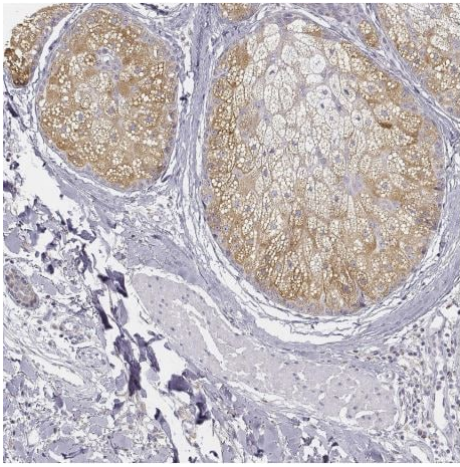
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		1/1000 - 1/2500. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

Target

Function	Acyltransferase that predominantly esterify long chain (wax) alcohols with acyl-CoA-derived fatty acids to produce wax esters. Wax esters are enriched in sebum, suggesting that it plays a central role in lipid metabolism in skin. Has no activity using decyl alcohol and significantly prefers the C16 and C18 alcohols. May also have 2-acylglycerol O-acyltransferase (MGAT) and acyl-CoA:retinol acyltransferase (ARAT) activities, to catalyze the synthesis of diacylglycerols and retinyl esters; however this activity is unclear in vivo.
Tissue specificity	Abundant in tissues rich in sebaceous glands such as the preputial gland and eyelid. Highly expressed in skin, where it is primarily restricted to undifferentiated peripheral sebocytes. Also expressed at lower level in other tissues except pancreas.
Sequence similarities	Belongs to the diacylglycerol acyltransferase family.
Cellular localization	Endoplasmic reticulum membrane.

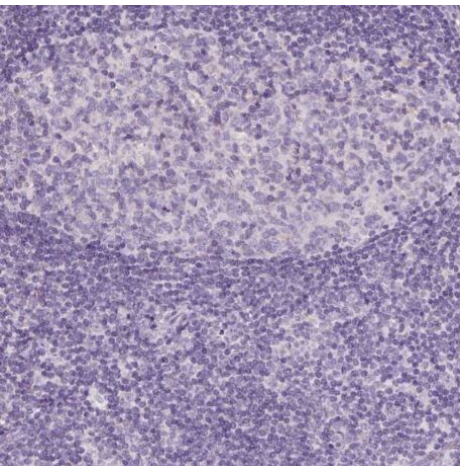
Images



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-DGAT2L4 antibody (ab204904)

Immunohistochemical analysis of human skin tissue labeling DGAT2L4 in the cytoplasm of cells in sebaceous gland with ab204904 at a 1/1000 dilution.

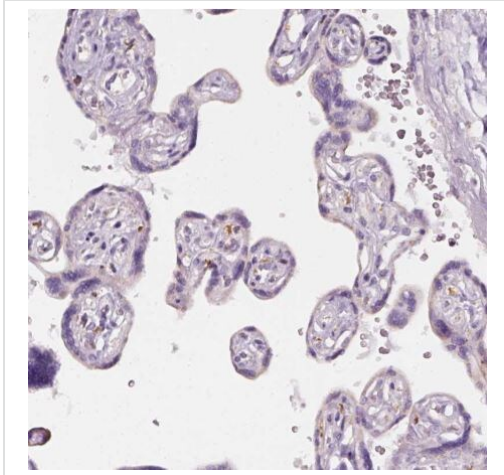
Performed heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-DGAT2L4 antibody (ab204904)

Immunohistochemical analysis of human tonsil tissue labeling DGAT2L4 with ab204904 at a 1/1000 dilution. No positivity as expected.

Performed heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-DGAT2L4 antibody (ab204904)

Immunohistochemical analysis of human tonsil tissue labeling DGAT2L4 with ab204904 at a 1/1000 dilution. No positivity as expected.

Performed heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

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