

Product datasheet

Anti-FABP4 antibody ab13979

★★★★★ [2 Abreviews](#) [37 References](#) [4 Images](#)

Overview

Product name	Anti-FABP4 antibody
Description	Rabbit polyclonal to FABP4
Host species	Rabbit
Tested applications	Suitable for: IHC-P
Species reactivity	Reacts with: Human
Immunogen	Recombinant full length protein (Human).
General notes	<p>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.</p> <p>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</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 or -80°C. Avoid freeze / thaw cycle.
Storage buffer	Constituents: 0.134% PBS, 0.58% Sodium chloride
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

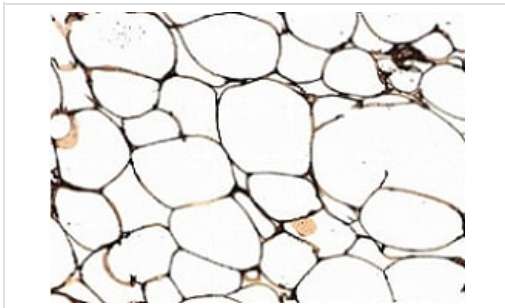
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab13979 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P	★★★★★ (1)	1/200.

Target

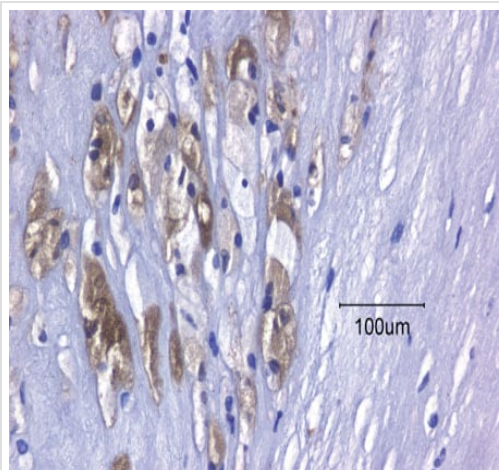
Function	Lipid transport protein in adipocytes. Binds both long chain fatty acids and retinoic acid. Delivers long-chain fatty acids and retinoic acid to their cognate receptors in the nucleus.
Sequence similarities	Belongs to the calycin superfamily. Fatty-acid binding protein (FABP) family.
Domain	Forms a beta-barrel structure that accommodates hydrophobic ligands in its interior.
Cellular localization	Cytoplasm. Nucleus. Depending on the nature of the ligand, a conformation change exposes a nuclear localization motif and the protein is transported into the nucleus. Subject to constitutive nuclear export.

Images



Immunohistochemical analysis of FFPE human adipose tissue, labeling FABP4 with ab13979 (2µg/ml). DAB staining.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-FABP4 antibody (ab13979)

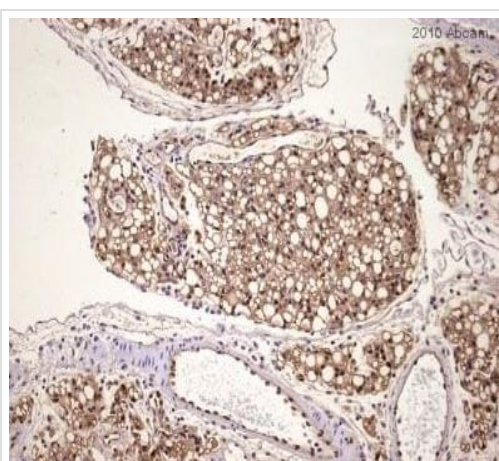


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-FABP4 antibody (ab13979)

Image from Holm S et al., PLoS One. 2011;6(12):e28785. Epub 2011 Dec 9. Fig 3.; doi:10.1371/journal.pone.0028785; December 9, 2011, PLoS ONE 6(12): e28785.

Immunohistochemical analysis of Human carotid atherosclerotic plaques, staining FABP4 with ab13979.

Antigen retrieval was performed by heat mediation in a citrate buffer (pH 6) and blocked with 0.5% BSA. Sections were incubated with primary antibody for 1 hour at room temperature. Staining was detected using DAB.

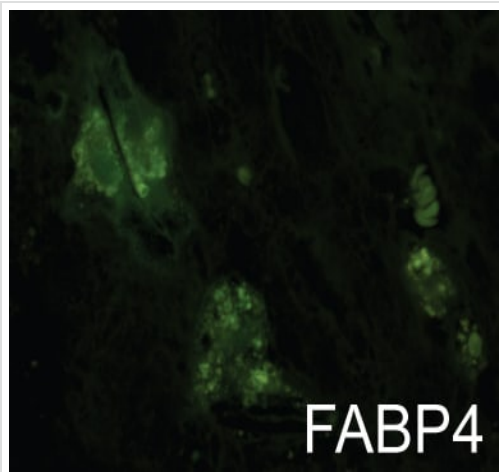


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-FABP4 antibody (ab13979)

This image is courtesy of an anonymous Abreview.

Immunohistochemical analysis of FFPE mouse pancreatic and peri-pancreatic fatty tissue, labeling FABP4 with ab13979. Tissue was fixed in 10% neutral buffered formalin, heat mediated antigen retrieval was performed using citrate buffer, and blocking was performed with 10% goat serum and 1% BSA in TBST for 1 hour at 25°C.

Staining with ab13979 (diluted 1/500) was performed for 12 hours at 4°C. A goat anti-rabbit HRP-conjugated secondary was used, diluted 1/200.



Immunohistochemical analysis of Human carotid atherosclerotic plaques, staining FABP4 with ab13979.

Antigen retrieval was performed by heat mediation in a citrate buffer (pH 6) and blocked with 0.5% BSA. Sections were incubated with primary antibody for 1 hour at room temperature. An AlexaFluor®488-conjugated goat anti-rabbit IgG was used as the secondary antibody.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-FABP4 antibody

(ab13979)

Image from Holm S et al., PLoS One. 2011;6(12):e28785. Epub 2011 Dec 9. Fig 3.; doi:10.1371/journal.pone.0028785; December 9, 2011, PLoS ONE 6(12): e28785.

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