abcam

Product datasheet

Anti-ACOT7 antibody ab85151

3 References 2 Images

Overview

Product name	Anti-ACOT7 antibody
Description	Rabbit polyclonal to ACOT7
Host species	Rabbit
Tested applications	**Suitable for:** WB, IHC-P
Species reactivity	**Reacts with:** Human **Predicted to work with:** Mouse, Rat
Immunogen	A synthetic peptide from near the C terminal residues of human ACOT7 (NM_181864).
General notes	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. 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

Properties

Form	Lyophilized:Reconstitute in 200ul sterile H2O.
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	Preservative: 0.02% Sodium azide Constituent: 2% BSA
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee	Our **Abpromise guarantee** covers the use of ab85151 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		1/200 - 1/1000. Predicted molecular weight: 42 kDa.
IHC-P		1/50 - 1/200.

Target

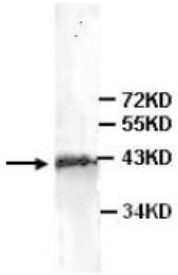
Function Acyl-CoA thioesterases are a group of enzymes that catalyze the hydrolysis of acyl-CoAs to the free fatty acid and coenzyme A (CoASH), providing the potential to regulate intracellular levels of acyl-CoAs, free fatty acids and CoASH. May play an important physiological function in brain. May play a regulatory role by modulating the cellular levels of fatty acyl-CoA ligands for certain transcription factors as well as the substrates for fatty acid metabolizing enzymes, contributing to lipid homeostasis. Has broad specificity, active towards fatty acyl-CoAs with chain-lengths of C8-C18. Has a maximal activity toward palmitoyl-CoA.

Tissue specificity Isoform 4 is expressed exclusively in brain.

Sequence similarities Contains 2 acyl coenzyme A hydrolase domains.

Cellular localization Cytoplasm and Mitochondrion.

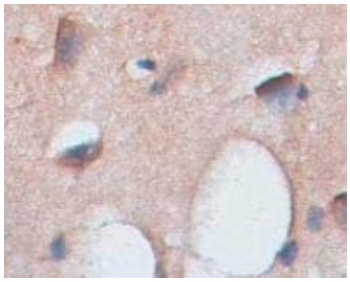
Images



Western blot - Anti-ACOT7 antibody (ab85151)

Anti-ACOT7 antibody (ab85151) at 1/500 dilution + human fetal brain lysate

Predicted band size: 42 kDa
Observed band size: 42 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-ACOT7 antibody (ab85151)

ab85151, at a 1/100 dilution, staining ACOT7 in formalin fixed, paraffin embedded human brain tissue by Immunohistochemistry.

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