abcam

Product datasheet

Anti-CROT/COT antibody ab175450

2 References 1 Image

Overview

Product name Anti-CROT/COT antibody

Description Goat polyclonal to CROT/COT

Host species Goat

Tested applications Suitable for: WB, IHC-P

Species reactivity Reacts with: Mouse, Human

Predicted to work with: Rat, Dog

Immunogen Synthetic peptide corresponding to Rat CROT/COT aa 178-199 (internal sequence).

NP_114193.1. Sequence:

NYFKTESEGHCPTH

Database link: P11466

Run BLAST with
Run BLAST with

Positive control Mouse liver lysates.

General notesThe 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 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: 7.30

Preservative: 0.02% Sodium azide

Constituents: 0.5% BSA, 99% Tris buffered saline

Purity Immunogen affinity purified

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Purification notes ab175450 is purified from goat serum by ammonium sulphate precipitation followed by antigen

affinity chromatography using the immunizing peptide.

Clonality Polyclonal

Isotype IgG

Applications

The Abpromise guarantee Our Abpromise guarantee covers the use of ab175450 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		Use a concentration of 1 - 3 μg/ml. Predicted molecular weight: 70 kDa. 1 hour primary incubation is recommended for this product.
IHC-P		Use a concentration of 5 µg/ml. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

Target

Function Beta-oxidation of fatty acids. The highest activity concerns the C6 to C10 chain length substrate.

Converts the end product of pristanic acid beta oxidation, 4,8-dimethylnonanoyl-CoA, to its

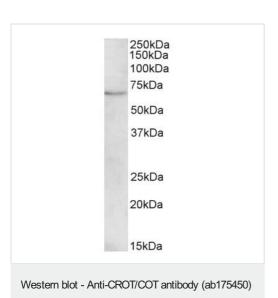
corresponding carnitine ester.

Pathway Lipid metabolism; fatty acid beta-oxidation.

Sequence similaritiesBelongs to the carnitine/choline acetyltransferase family.

Cellular localization Peroxisome.

Images



Anti-CROT/COT antibody (ab175450) at 1 μ g/ml + mouse liver lysates at 35 μ g

Predicted band size: 70 kDa

Primary incubation was 1 hour. Detected by chemiluminescence.

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