

Datasheet for ABIN2775350

anti-ACOT2 antibody (Middle Region)



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Overview

Quantity:	100 µL
Target:	ACOT2
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Cow, Dog, Horse, Rabbit
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ACOT2 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human ACOT2
Sequence:	SPLEGPQKS FIPVERAEST FLFLVGQDDH NWKSEFYANE ACKRLQAHGR
Predicted Reactivity:	Cow: 100%, Dog: 93%, Horse: 100%, Human: 100%, Mouse: 92%, Rabbit: 92%, Rat: 92%
Characteristics:	This is a rabbit polyclonal antibody against ACOT2. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	ACOT2
Alternative Name:	ACOT2 (ACOT2 Products)

Target Details

Background:	<p>Acyl-CoA thioesterases, such as ACOT2, are a group of enzymes that hydrolyze CoA esters, such as acyl-CoAs, bile CoAs, and CoA esters of prostaglandins, to the corresponding free acid and CoA. Acyl-CoA thioesterases, such as ACOT2, are a group of enzymes that hydrolyze CoA esters, such as acyl-CoAs, bile CoAs, and CoA esters of prostaglandins, to the corresponding free acid and CoA (Hunt et al., 2005 [PubMed 16103133]). [supplied by OMIM].</p> <p>PRIMARYREFSEQ_SPAN PRIMARY_IDENTIFIER PRIMARY_SPAN COMP 1-7 CR610624.1 1-7 8-1155 BC006335.2 1-1148 1156-1767 L40401.1 468-1079</p> <p>Alias Symbols: Mte1, PTE2, ZAP128, MTE1, CTE1A, PTE2A</p> <p>Protein Interaction Partner: UBC, PEX5, ZNF277,</p> <p>Protein Size: 483</p>
Molecular Weight:	53 kDa
Gene ID:	10965
NCBI Accession:	NM_006821 , NP_006812
UniProt:	P49753
Pathways:	Monocarboxylic Acid Catabolic Process

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 483 AA
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.

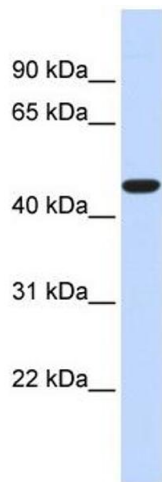
Handling

Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Publications

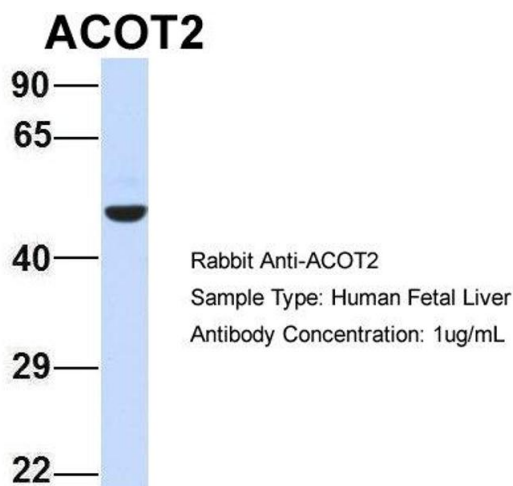
Product cited in:	Infantino, Iacobazzi, Palmieri, Menga: "ATP-citrate lyase is essential for macrophage inflammatory response." in: Biochemical and biophysical research communications , Vol. 440, Issue 1, pp. 105-11, (2013) (PubMed).
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Images



Western Blotting

Image 1. WB Suggested Anti-ACOT2 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:312500 Positive Control: Human heart



Western Blotting

Image 2. Host: Rabbit Target Name: ACOT2 Sample Type: Human Fetal Liver Antibody Dilution: 1.0ug/ml