

Datasheet for ABIN2783320
anti-ACAA2 antibody (N-Term)



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Overview

Quantity:	100 µL
Target:	ACAA2
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Dog, Cow, Guinea Pig, Rabbit, Sheep, Zebrafish (Danio rerio), Horse, Saccharomyces cerevisiae
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ACAA2 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human ACAA2
Sequence:	ALLRGVFVVA AKRTPFGAYG GLLKDFATD LSEFAAKAAL SAGKVSPETV
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Sheep: 100%, Yeast: 91%, Zebrafish: 86%
Characteristics:	This is a rabbit polyclonal antibody against ACAA2. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	ACAA2
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Target Details

Alternative Name:	ACAA2 (ACAA2 Products)
Background:	<p>ACAA2 catalyzes the last step of the mitochondrial fatty acid beta-oxidation spiral. Unlike most mitochondrial matrix proteins, it contains a non-cleavable amino-terminal targeting signal. The encoded protein catalyzes the last step of the mitochondrial fatty acid beta-oxidation spiral. Unlike most mitochondrial matrix proteins, it contains a non-cleavable amino-terminal targeting signal.</p> <p>Alias Symbols: DSAEC</p> <p>Protein Interaction Partner: SUMO2, UBC, SGTA, P4HB, H2AFZ, TERT, TMEM65, RTN4, ZFR, TAX1BP3, TOMM40, SF3B4, VDAC2, VDAC1, TP53BP1, TIAL1, VAMP2, PFN1, PRDX1, APP, ACO2, ACAT1, SCP2,</p> <p>Protein Size: 397</p>
Molecular Weight:	42 kDa
Gene ID:	10449
NCBI Accession:	NM_006111 , NP_006102
UniProt:	P42765
Pathways:	Monocarboxylic Acid Catabolic Process

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 397 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

Handling Advice: Avoid repeated freeze-thaw cycles.

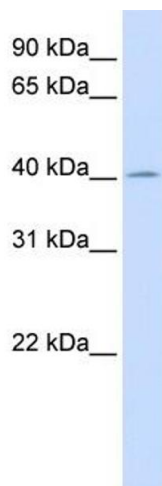
Storage: -20 °C

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: Aboulaich, Vainonen, Strålfors, Vener: "Vectorial proteomics reveal targeting, phosphorylation and specific fragmentation of polymerase I and transcript release factor (PTRF) at the surface of caveolae in human adipocytes." in: **The Biochemical journal**, Vol. 383, Issue Pt 2, pp. 237-48, (2004) ([PubMed](#)).

Images



Western Blotting

Image 1. WB Suggested Anti-ACAA2 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:312500 Positive Control: Human Liver