

Datasheet for ABIN2774052
anti-CRAT antibody (N-Term)



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1 Image

Overview

Quantity:	100 µL
Target:	CRAT
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Rabbit
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CRAT 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 CRAT
Sequence:	MKASSRFKAH QDALPRLPVP PLQQSLDHYL KALQPIVSEE EWAHTKQLVD
Predicted Reactivity:	Cow: 92%, Dog: 92%, Guinea Pig: 91%, Horse: 85%, Human: 100%, Mouse: 92%, Rabbit: 92%, Rat: 92%
Characteristics:	This is a rabbit polyclonal antibody against CRAT. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	CRAT
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Target Details

Alternative Name:	CRAT (CRAT Products)
Background:	<p>Carnitine acetyltransferase (CRAT) is a key enzyme in the metabolic pathway in mitochondria, peroxisomes and endoplasmic reticulum. CRAT catalyzes the reversible transfer of acyl groups from an acyl-CoA thioester to carnitine and regulates the ratio of acylCoA/CoA in the subcellular compartments. Different subcellular localizations of the CRAT mRNAs are thought to result from alternative splicing of the CRAT gene suggested by the divergent sequences in the 5' region of peroxisomal and mitochondrial CRAT cDNAs and the location of an intron where the sequences diverge.</p> <p>Alias Symbols: RP11-247A12.5, CAT1</p> <p>Protein Interaction Partner: NEDD8, SUMO1, PEX5,</p> <p>Protein Size: 467</p>
Molecular Weight:	51 kDa
Gene ID:	1384
NCBI Accession:	NM_000755
UniProt:	P43155
Pathways:	Monocarboxylic Acid Catabolic Process

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 467 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.

Images



Western Blotting

Image 1. WB Suggested Anti-CRAT Antibody Titration:
0.2-1 ug/ml
Positive Control: HepG2 cell lysate