

Datasheet for ABIN2774052

anti-CRAT antibody (N-Term)





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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

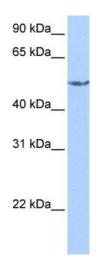
Target Details

Alternative Name:	CRAT (CRAT Products)	
Background:	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.	
	Alias Symbols: RP11-247A12.5, CAT1	
	Protein Interaction Partner: NEDD8, SUM01, PEX5,	
	Protein Size: 467	
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