

Product datasheet for **TA336220**

CRAT Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for Anti-CRAT Antibody: synthetic peptide directed towards the N terminal of human CRAT. Synthetic peptide located within the following region: MKASSRFKAHQDALPRLPVPPLQQSLDHYLKALQPIVSEEEWAHTKQLVD
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	51 kDa
Gene Name:	carnitine O-acetyltransferase
Database Link:	NP_000746 Entrez Gene 1384 Human P43155



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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.

Synonyms:

CAT1

Note:

Immunogen Sequence Homology: Human: 100%; Dog: 92%; Rat: 92%; Mouse: 92%; Bovine: 92%; Rabbit: 92%; Pig: 91%; Guinea pig: 91%; Horse: 85%

Protein Families:

Druggable Genome

Product images:

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