

Rabbit anti-Human CRAT Polyclonal Antibody | anti-CRAT antibody

CRAT Antibody (N-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA284084	Rabbit	Human	Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

CRAT; Polyclonal Antibody; CRAT Antibody (N-term); Carnitine O-acetyltransferase; Carnitine acetylase; Carnitine acetyltransferase; CAT; CrAT; CAT1; anti-CRAT antibody

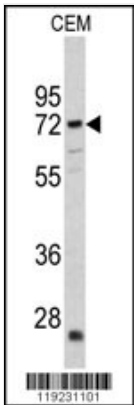
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This CRAT antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 66-96 amino acids from the N-terminal region of human CRAT.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	66-96
Sequence Length	626
Applicable Applications for anti-CRAT antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)
CRAT Antibody (N-term) IHC analysis in formalin fixed and paraffin embedded human Skeletal muscle followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the CRAT Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
Western blot analysis of CRAT antibody (N-term) in CEM cell line lysates (35ug/lane). CRAT (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-CRAT antibody	CRAT is carnitine acetyltransferase (CRAT), which 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.
Product Categories/Family for anti-CRAT antibody	Cardiovascular; Metabolism; Signal transduction
References	Govindasamy,L., J. Struct. Biol. 146 (3), 416-424 (2004) Jogl,G., Cell 112 (1), 113-122 (2003)

NCBI AND UNIPROT INFORMATION

NCBI GI #	21618331
NCBI GeneID	1384
NCBI Accession #	NP_000746.2; NP_001244292.1
NCBI GenBank Nucleotide #	NM_000755.3
UniProt Accession #	P43155; Q5T952; Q9BW16
Molecular Weight	70858
NCBI Official Full Name	carnitine O-acetyltransferase isoform 1
NCBI Official Synonym Full Names	carnitine O-acetyltransferase
NCBI Official Symbol	CRAT
NCBI Official Synonym Symbols	CAT1
NCBI Protein Information	carnitine O-acetyltransferase
UniProt Protein Name	Carnitine O-acetyltransferase
UniProt Gene Name	CRAT
UniProt Synonym Gene Names	CAT1; Carnitine acetylase; CAT; CrAT
UniProt Entry Name	CACP_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/crat-antibody-immunohistochemistry-western-blot-elisa/284084>