

Rabbit CRAT Polyclonal Antibody | anti-CRAT antibody

CRAT antibody - N-terminal region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA200300	Rabbit	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat	Western Blot

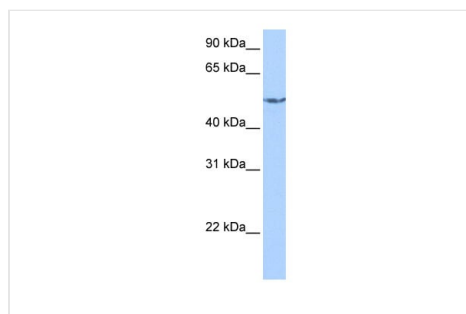
PRODUCT SYNONYMS

CRAT; Polyclonal Antibody; CRAT antibody - N-terminal region; anti-CRAT antibody

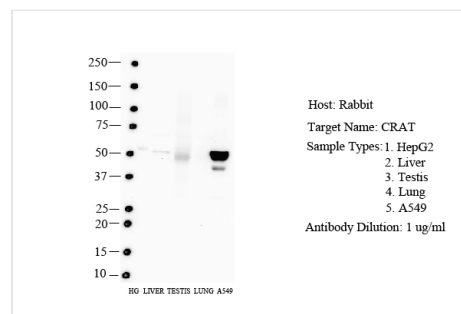
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide with the following region: MK ASSRFKAHQD ALPRLPVPL QQSLDHYLKA LQPIVSEEW AHTKQLVD
Sequence Length	467
Applicable Applications for anti-CRAT antibody	WB (Western Blot)
Homology	Cow: 92%; Dog: 92%; Guinea Pig: 91%; Horse: 85%; Human: 100%; Mouse: 92%; Rabbit: 92%; Rat: 92%
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human CRAT
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

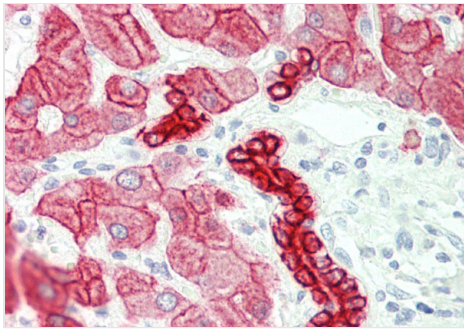
IMAGES


WB (Western Blot)

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

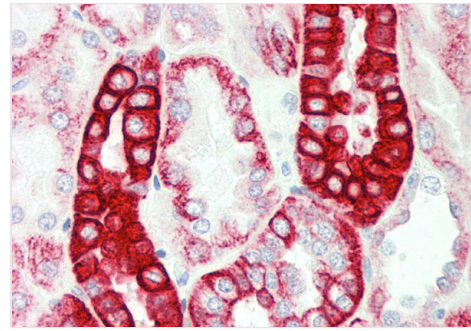

WB (Western Blot)

Host: Rabbit Target Name: CRAT Sample Type: Human HepG2, Liver, Testis Antibody Dilution: 2.0 ug/ml



IHC (Immunohistochemistry)

Rabbit Anti-CRAT antibody
Formalin Fixed Paraffin Embedded Tissue: Human Liver
Primary antibody Concentration: 1:100
Secondary Antibody: Donkey anti-Rabbit-Cy3
Secondary Antibody Concentration: 1:200
Magnification: 20x
Exposure Time: 0.5-2.0sec



IHC (Immunohistochemistry)

Rabbit Anti-CRAT antibody
Formalin Fixed Paraffin Embedded Tissue: Human Kidney
Primary antibody Concentration: 1:100
Secondary Antibody: Donkey anti-Rabbit-Cy3
Secondary Antibody Concentration: 1:200
Magnification: 20x
Exposure Time: 0.5-2.0sec

ADDITIONAL INFORMATION

Related Product Information for anti-CRAT antibody	This is a rabbit polyclonal antibody against CRAT. It was validated on Western Blot using a cell lysate as a positive control. Target Description: 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.
Product Categories/Family for anti-CRAT antibody	Polyclonal; Drugs and Drug Metabolism

NCBI AND UNIPROT INFORMATION

NCBI GI #	119608279
NCBI GeneID	1384
NCBI Accession #	EAW87873.1
NCBI GenBank Nucleotide #	NM_000755
UniProt Accession #	P43155
Molecular Weight	51kDa
NCBI Official Full Name	carnitine acetyltransferase, isoform CRA_a, partial
NCBI Official Synonym Full Names	carnitine O-acetyltransferase
NCBI Official Symbol	CRAT
NCBI Official Synonym Symbols	CAT; CAT1; NBIA8
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.

