

# **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.

Note that this product is shipped as lyophilized powder to China customers.

**Purification:** Affinity Purified

Conjugation: Unconjugated

**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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### **CRAT Rabbit Polyclonal Antibody - TA336220**

**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.

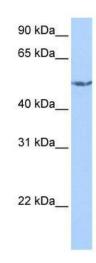
Synonyms: CAT1

**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