

CRAT Rabbit pAb

Catalog No.: A6365

1 Publications

Basic Information

Observed MW

68kDa

Calculated MW

71kDa

Category

Primary antibody

Applications

ELISA, WB, IF/ICC

Cross-Reactivity

Human, Mouse, Rat

Background

This gene encodes carnitine O-acetyltransferase, a member of the carnitine acyltransferase family and a key metabolic pathway enzyme which plays an important role in energy homeostasis and fat metabolism. This enzyme catalyzes the reversible transfer of acyl groups from an acyl-CoA thioester to carnitine and regulates the ratio of acyl-CoA/CoA. It is found in both the mitochondria and the peroxisome. Alternative splicing results in transcript variants encoding different isoforms that may localize to different subcellular compartments.

Recommended Dilutions

WB 1:100 - 1:500

IF/ICC 1:50 - 1:200

Immunogen Information

Gene ID

1384

Swiss Prot

P43155

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 380-626 of human CRAT (NP_000746.3).

Synonyms

CAT; CAT1; NBIA8; CRAT

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

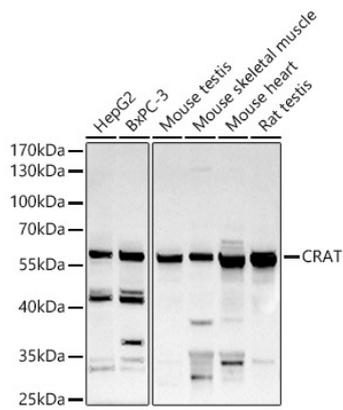
Affinity purification

Storage

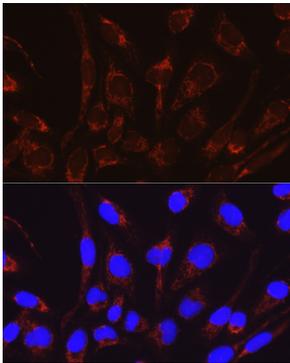
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300, 50% glycerol, pH7.3.

Validation Data



Western blot analysis of extracts of various cell lines, using CRAT antibody (A6365) at 1:500 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 90s.



Immunofluorescence analysis of RD cells using CRAT Rabbit pAb (A6365) at dilution of 1:50 (40x lens). Blue: DAPI for nuclear staining.