ARG58423
anti-CRAT antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes CRAT
Tested Reactivity	Hu
Tested Application	IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	CRAT
Species	Human
Immunogen	KLH-conjugated synthetic peptide corresponding to aa. 66-96 (N-terminus) of Human CRAT.
Conjugation	Un-conjugated
Alternate Names	CrAT; Carnitine O-acetyltransferase; EC 2.3.1.7; CAT1; Carnitine acetyltransferase; Carnitine acetylase; CAT

Application Instructions

Application table

Application	Dilution
IHC-P	1:50 - 1:100
WB	1:1000

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Positive Control: CEM

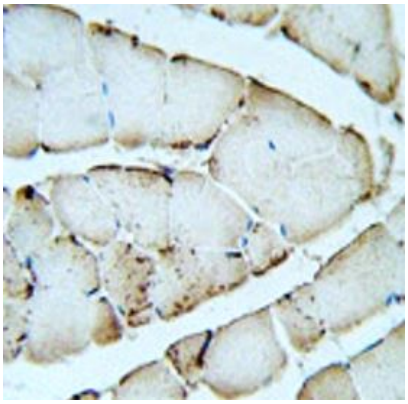
Properties

Form	Liquid
Purification	Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Buffer	PBS and 0.09% (W/V) Sodium azide.
Preservative	0.09% (W/V) Sodium azide.
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

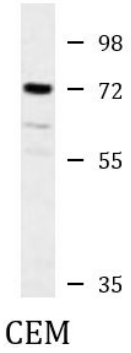
Gene Symbol	CRAT
Gene Full Name	carnitine O-acetyltransferase
Background	This gene encodes carnitine acetyltransferase (CRAT), which is a key enzyme in the metabolic pathway in mitochondria, peroxisomes and endoplasmic reticulum. CRAT catalyzes the reversible transfer of acyl groups from an acyl-CoA thioester to carnitine and regulates the ratio of acylCoA/CoA in the subcellular compartments. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Apr 2012]
Function	Carnitine acetylase is specific for short chain fatty acids. Carnitine acetylase seems to affect the flux through the pyruvate dehydrogenase complex. It may be involved as well in the transport of acetyl-CoA into mitochondria. [UniProt]
Calculated Mw	71 kDa
Cellular Localization	Endoplasmic reticulum. Peroxisome. Mitochondrion inner membrane; Peripheral membrane protein; Matrix side Isoform 2: Peroxisome. [UniProt]

Images



ARG58423 anti-CRAT antibody IHC-P image

Immunohistochemistry: Formalin-fixed and paraffin-embedded Human skeletal muscle stained with ARG58423 anti-CRAT antibody.



ARG58423 anti-CRAT antibody WB image

Western blot: 35 µg of CEM cell lysate stained with ARG58423 anti-CRAT antibody.