

ARG42085 anti-CROT / COT antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes CROT / COT
Tested Reactivity	Hu, Ms, Rat
Tested Application	IP, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	CROT / COT
Species	Human
Immunogen	Recombinant fusion protein corresponding to aa. 1-87 of Human CROT / COT (NP_001230674.1).
Conjugation	Un-conjugated
Alternate Names	Peroxisomal carnitine O-octanoyltransferase; COT; EC 2.3.1.137

Application Instructions

Application table	Application	Dilution
	IP	1:50 - 1:200
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	Rat liver	
Observed Size	~ 78 kDa	
Assay Time	Q9UKG9	

Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
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. 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.

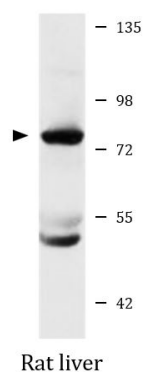
Note

For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	CROT
Gene Full Name	carnitine O-octanoyltransferase
Background	This gene encodes a member of the carnitine/choline acetyltransferase family. The encoded protein converts 4,8-dimethylnonanoyl-CoA to its corresponding carnitine ester. This transesterification occurs in the peroxisome and is necessary for transport of medium- and long- chain acyl-CoA molecules out of the peroxisome to the cytosol and mitochondria. The protein thus plays a role in lipid metabolism and fatty acid beta-oxidation. Alternatively spliced transcript variants have been described. [provided by RefSeq, Jan 2009]
Function	Beta-oxidation of fatty acids. The highest activity concerns the C6 to C10 chain length substrate. Converts the end product of pristanic acid beta oxidation, 4,8-dimethylnonanoyl-CoA, to its corresponding carnitine ester. [UniProt]
Calculated Mw	70 kDa
Cellular Localization	Peroxisome. [UniProt]

Images



ARG42085 anti-CROT / COT antibody WB image

Western blot: 25 µg of Rat liver lysate stained with ARG42085 anti-CROT / COT antibody at 1:3000 dilution.