

ARG42097 anti-CROT / COT antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes CROT / COT
Tested Reactivity	Hu
Predict Reactivity	Ms, Rat, Dog
Tested Application	IHC-P
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	CROT / COT
Species	Rat
Immunogen	Synthetic peptide around the internal region of Rat CROT / COT. (NYFKTESEGHCPH) (NP_114193.1)
Conjugation	Un-conjugated
Alternate Names	Peroxisomal carnitine O-octanoyltransferase; COT; EC 2.3.1.137

Application Instructions

Application table	Application	Dilution
	IHC-P	5 µg/ml
Application Note	IHC-P: Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

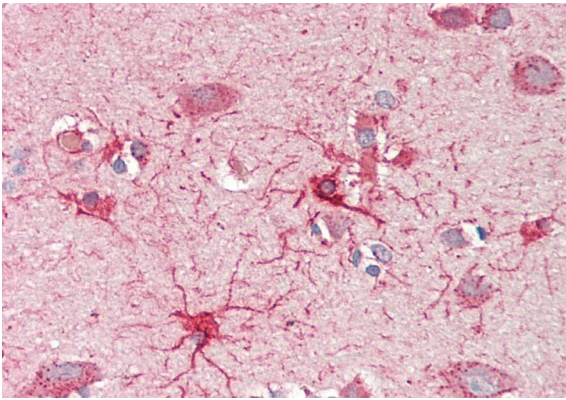
Properties

Form	Liquid
Purification	Ammonium sulphate precipitation followed by affinity purification with immunogen.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml
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

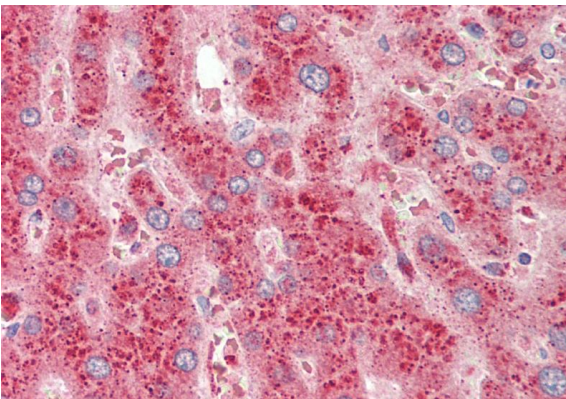
Gene Symbol	CROT
Gene Full Name	carnitine O-octanoyltransferase
Background	This gene encodes a member of the carnitine/choline acetyltransferase family. The encoded protein converts 4,8-dimethylnonanoyl-CoA to its corresponding carnitine ester. This transesterification occurs in the peroxisome and is 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



ARG42097 anti-CROT / COT antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human cortex tissue.
Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). The tissue section was stained with ARG42097 anti-CROT / COT antibody at 5 µg/ml dilution followed by AP-staining.



ARG42097 anti-CROT / COT antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human liver tissue.
Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). The tissue section was stained with ARG42097 anti-CROT / COT antibody at 5 µg/ml dilution followed by AP-staining.