Best Tools for immunology Research

CROT Polyclonal Antibody

Catalog No :	YT1118
Reactivity :	Human;Mouse;Rat
Applications :	IHC;IF;ELISA
Target :	CROT
Fields :	>>Peroxisome
Gene Name :	CROT
Protein Name :	Peroxisomal carnitine O-octanoyltransferase
Human Gene Id :	54677
Human Swiss Prot No :	Q9UKG9
Mouse Gene Id :	74114
Mouse Swiss Prot No :	Q9DC50
Rat Gene Id :	83842
Rat Swiss Prot No :	P11466
Immunogen :	Synthesized peptide derived from CROT . at AA range: 190-270
Specificity :	CROT Polyclonal Antibody detects endogenous levels of CROT protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	IHC 1:100 - 1:300. ELISA: 1:40000.. IF 1:50-200
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.

Concentration : 1 mg/ml

Storage Stability : -15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band : 72kD

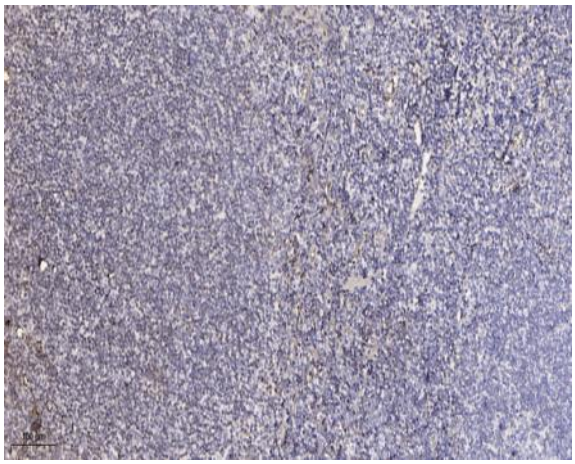
Background : This gene encodes a member of the carnitine/choline acetyltransferase family. The encoded protein converts 4,8-dimethylnonanoyl-CoA to its corresponding carnitine ester. This transesterification occurs in the peroxisome and is necessary for transport of medium- and long- chain acyl-CoA molecules 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 : catalytic activity:Octanoyl-CoA + L-carnitine = CoA + L-octanoylcarnitine.,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.,pathway:Lipid metabolism; fatty acid beta-oxidation.,similarity:Belongs to the carnitine/choline acetyltransferase family.,subunit:Monomer.,

Subcellular Location : Peroxisome .

Expression : Brain,Skin,

Products Images



Immunohistochemical analysis of paraffin-embedded human tonsil. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 30min).