



# CROT Polyclonal Antibody

<b>Catalog No</b>	BYab-02554
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Mouse;Rat
<b>Applications</b>	IHC;IF;ELISA
<b>Gene Name</b>	CROT
<b>Protein Name</b>	Peroxisomal carnitine O-octanoyltransferase
<b>Immunogen</b>	Synthesized peptide derived from CROT . at AA range: 190-270
<b>Specificity</b>	CROT Polyclonal Antibody detects endogenous levels of CROT protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source</b>	Polyclonal, Rabbit,IgG
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	IHC: 1/100 - 1/300. ELISA: 1/40000.. IF 1:50-200
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	CROT; COT; Peroxisomal carnitine O-octanoyltransferase; COT
<b>Observed Band</b>	72kD
<b>Cell Pathway</b>	Peroxisome .
<b>Tissue Specificity</b>	Brain,Skin,
<b>Function</b>	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.,
<b>Background</b>	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

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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],

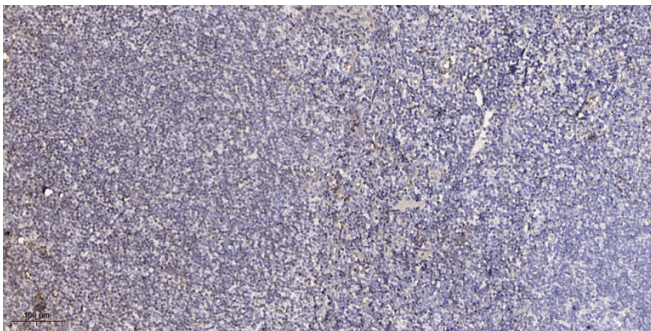
**matters needing attention**

Avoid repeated freezing and thawing!

**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## 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).