



## Rabbit Anti-CROT antibody

SL6365R

<b>Product Name:</b>	CROT
<b>Chinese Name:</b>	过氧化物酶体肉碱酰基转移酶抗体
<b>Alias:</b>	Carnitine O octanoyltransferase; COT; CROT; OCTC_HUMAN; Peroxisomal carnitine acyltransferase; Peroxisomal carnitine O octanoyltransferase; Peroxisomal carnitine O-octanoyltransferase.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Pig,Horse,Rabbit,
<b>Applications:</b>	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	70kDa
<b>Cellular localization:</b>	cytoplasmic
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human CROT/COT:201-275/612
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</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 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.

**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.

**Subunit:**

Monomer

**Subcellular Location:**

Peroxisome

**Similarity:**

Belongs to the carnitine/choline acetyltransferase family.

**SWISS:**

Q9UKG9

**Gene ID:**

54677

**Database links:**

[Entrez Gene: 54677](#)Human

[Entrez Gene: 74114](#)Mouse

[Omim: 606090](#)Human

[SwissProt: Q9UKG9](#)Human

[SwissProt: Q9DC50](#)Mouse

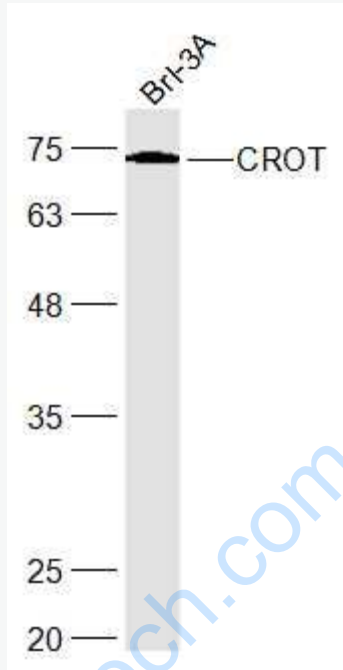
[Unigene: 125039](#)Human

[Unigene: 28197](#)Mouse

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Picture:



Sample:

Brl-3A(Rat) Cell Lysate at 30 ug

Primary: Anti-CROT (SL6365R) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 70 kD

Observed band size: 70 kD