SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-CROT antibody

Catalog Number: SL6365R

FOR RESEARCH USE ONLY

[DATASHEET]

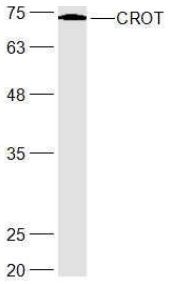
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	CROT
Immunogen:	KLH conjugated synthetic peptide derived from human CROT/COT: 201-275/612
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB=1:500-2000 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Rat(predicted:Human,Mouse,Pig,Horse,Rabbit)
Predicted MW.:	70kDa
Subcellular Location:	cytoplasmic
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. **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. **Database links:**

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

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	Entrez Gene: 54677 Human **Entrez Gene:** 74114 Mouse Omim: 606090 Human **SwissProt:** Q9UKG9 Human **SwissProt:** Q9DC50 Mouse **Unigene:** 125039 Human **Unigene:** 28197 Mouse

[VALIDATION IMAGES]



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

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