SunLong Biotech Co.,LTD
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[Marker Primary Antibody]

Rabbit Anti-CROT/AF647 Conjugated antibody

Catalog Number: SL5048R-AF647

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	Anti-CROT/AF647
Immunogen:	KLH conjugated synthetic peptide derived from human CROT
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	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 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Applications:	IF=1:100-500 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Human,Rat(predicted:Mouse,Dog,Horse,Rabbit)
Background:	background: CROT (Carnitine O-octanoyltransferase) is involved in the beta-oxidation of fatty acids. It catalyzes the reversible transfer of fatty acyl groups between CoA and carnitine. It has highest activity towards the C6 to C10 chain length substrate. It is a crucial step in the transport of medium- and long-chain acyl-CoA out of the mammalian peroxisome to the cytosol and mitochondria. **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 (Probable). **Subcellular Location:** Peroxisome. **Similarity:** Belongs to the carnitine/choline acetyltransferase family. **Database links:** **Entrez Gene:** 54677 Human **Entrez Gene:** 74114 Mouse Omim: 606090 Human

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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	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.