

bs-6365R**[Primary Antibody]****CROT Rabbit pAb****BioSS**
ANTIBODIES

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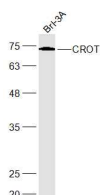
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— DATASHEET —

Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000)
Clonality: Polyclonal		Reactivity: Rat (predicted: Human, Mouse, Rabbit, Pig, Horse)
GeneID: 54677	SWISS: Q9UKG9	
Target: CROT		Predicted MW.: 70 kDa
Immunogen: KLH conjugated synthetic peptide derived from human CROT/COT: 201-275/612.		Subcellular Location: Cytoplasm
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°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.		
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.		

— VALIDATION IMAGES —

Sample: Brl-3A(Rat) Cell Lysate at 30 ug Primary:
Anti-CROT (bs-6365R) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at
1/20000 dilution Predicted band size: 70 kD
Observed band size: 70 kD

— SELECTED CITATIONS —

- **[IF=4.9]** Xiangyu Lu. et al. Exosomes Derived from Adipose Mesenchymal Stem Cells Ameliorate Lipid Metabolism Disturbances Following Liver Ischemia-Reperfusion Injury in Miniature Swine. INT J MOL SCI. 2024 Jan;25(23):13069 WB ;Fig. 39684778