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## CROT Rabbit pAb

Catalog Number: bs-5048R

Target Protein: CROT

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: **WB** (1:500-2000), **IHC-P** (1:100-500), **IHC-F** (1:100-500), **IF** (1:100-500)

Reactivity: Human, Rat (predicted: Mouse, Rabbit, Dog, Horse)

Predicted MW: 70 kDa

Subcellular: Cytoplasm

Locations:

Entrez Gene: 54677

Swiss Prot: Q9UKG9

Source: KLH conjugated synthetic peptide derived from human CROT: 41-140/612.

Purification: affinity purified by Protein A

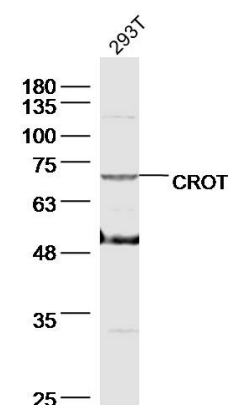
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

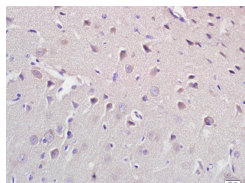
**Background:** CROT (Carnitine O-octanoyltransferase) is involved in the beta-oxidation of fatty acids. It catalyzes the reversible transfer of fatty acyl groups between CoA and carnitine. It has highest activity towards the C6 to C10 chain length substrate. It is a crucial step in the transport of medium- and long-chain acyl-CoA out of the mammalian peroxisome to the cytosol and mitochondria.

## VALIDATION IMAGES

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Sample: 293T Cell (Human) Lysate at 40 ug Primary: Anti-CROT (bs-5048R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 70 kD Observed band size: 70 kD



Tissue/cell: rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer ( 0.01M, pH 6.0 ), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min; Incubation: Anti-CROT Polyclonal Antibody, Unconjugated(bs-5048R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

## PRODUCT SPECIFIC PUBLICATIONS

**[IF=1.749]** Xiao Lin. et al. Glucose participates in the formation of goose fatty liver by regulating the expression of miRNA-33/CROT.

Anim Sci J. 2021 Dec;92(1):e13674 WB ; Geese . 34935255