

Product datasheet for **TA349832S**

CROT Rabbit Polyclonal Antibody

Product data:

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|-------------------------|--|
| Product Type: | Primary Antibodies |
| Applications: | IHC, WB |
| Recommended Dilution: | WB: 1000-5000 WB positive control: Mouse kidney tissue, Mouse liver tissue lysates IHC: 150-300 Positive control: Human colorectal cancer Predicted cell location: Cytoplasm |
| Reactivity: | Human, Mouse, Rat |
| Host: | Rabbit |
| Isotype: | IgG |
| Clonality: | Polyclonal |
| Immunogen: | Fusion protein of human CROT |
| Formulation: | pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol |
| Purification: | Antigen affinity purification |
| Conjugation: | Unconjugated |
| Storage: | Store at -20°C as received. |
| Stability: | Stable for 12 months from date of receipt. |
| Predicted Protein Size: | 70 kDa |
| Gene Name: | carnitine O-octanoyltransferase |
| Database Link: | NP_066974 Entrez Gene 74114 MouseEntrez Gene 83842 RatEntrez Gene 54677 Human Q9UKG9 |

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

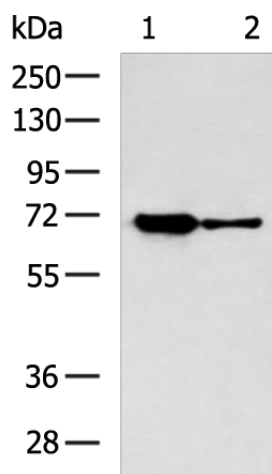


[View online »](#)

Synonyms: COT

Protein Families: Druggable Genome

Product images:



Gel: 8%SDS-PAGE

Lysate: 40 μ g

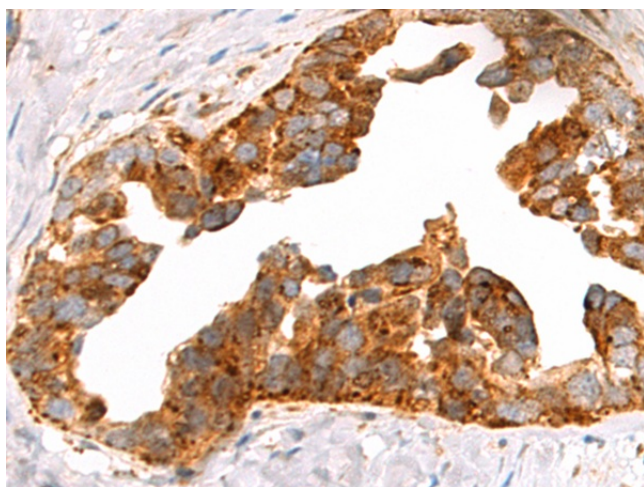
Lane 1-2: Mouse kidney tissue

Mouse liver tissue lysates

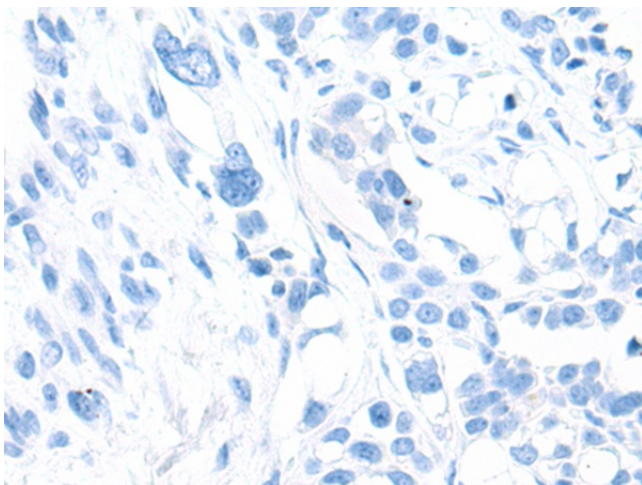
Primary antibody: [TA349832] (CROT Antibody) at dilution 1/1000

Secondary antibody: Goat anti rabbit IgG at 1/5000 dilution

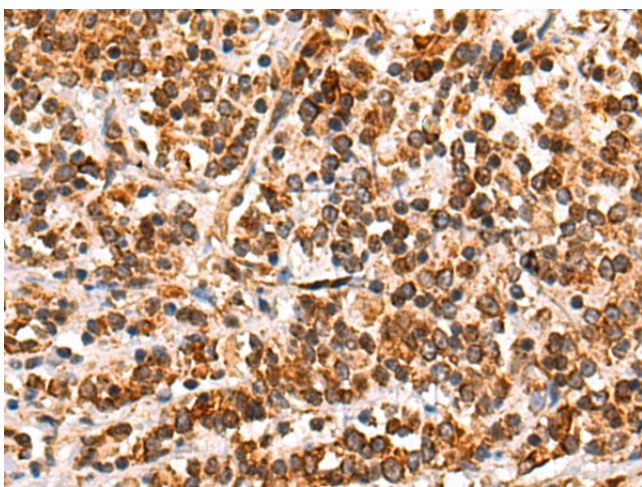
Exposure time: 30 seconds



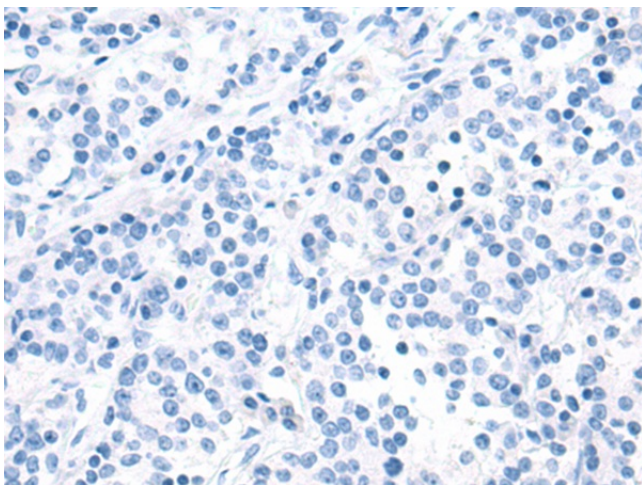
Immunohistochemistry of paraffin-embedded Human colorectal cancer tissue using [TA349832] (CROT Antibody) at dilution 1/140 (Original magnification: \times 200)



Immunohistochemistry of paraffin-embedded Human colorectal cancer tissue using [TA349832] (CROT Antibody) at dilution 1/140, treated with fusion protein. (Original magnification: $\times 200$)



Immunohistochemistry of paraffin-embedded Human gastric cancer tissue using [TA349832] (CROT Antibody) at dilution 1/140 (Original magnification: $\times 200$)



Immunohistochemistry of paraffin-embedded Human gastric cancer tissue using [TA349832] (CROT Antibody) at dilution 1/140, treated with fusion protein. (Original magnification: $\times 200$)