

## Product datasheet for **TA307959**

### CROT Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	IHC:1:100-1:1000; WB:1:500-1:3000
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Recombinant fragment corresponding to a region within amino acids 140 and 462 of CROT (Uniprot ID#Q9UKG9)
Formulation:	0.1M Tris, 0.1M Glycine, 10% Glycerol (pH7). 0.01% Thimerosal was added as a preservative.
Concentration:	lot specific
Purification:	Purified by antigen-affinity chromatography.
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:	<a href="#">NP_001137407</a> <a href="#">Entrez Gene 74114 Mouse</a> <a href="#">Entrez Gene 54677 Human</a> <a href="#">Q9UKG9</a>
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.
Synonyms:	COT

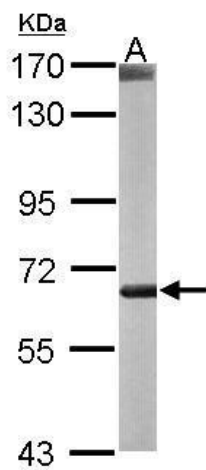


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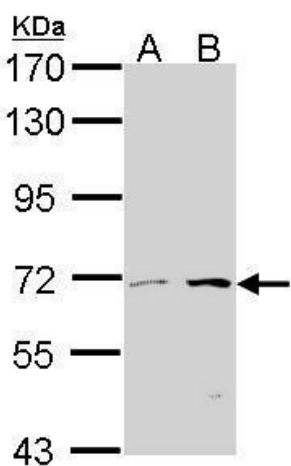
**Note:** Seq homology of immunogen across species: mouse (80%)

**Protein Families:** Druggable Genome

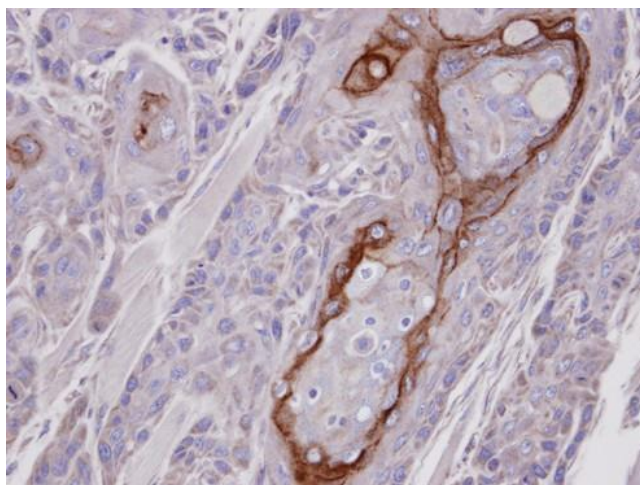
**Product images:**



Sample (50 ug of whole cell lysate). A: mouse liver. 7.5% SDS PAGE. TA307959 diluted at 1:1000.



Sample (30 ug of whole cell lysate). A: 293T. B: A431. 7.5% SDS PAGE. COT antibody. TA307959 diluted at 1:1000.



Immunohistochemical analysis of paraffin-embedded Ca922 xenograft, using CROT (TA307959) antibody at 1:100 dilution.