



Datasheet for ABIN2856069  
**anti-CROT antibody**



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3 Images

Overview

Quantity:	100 µL
Target:	CROT
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CROT antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	Recombinant protein encompassing a sequence within the center region of human CROT. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Characteristics:	Rabbit Polyclonal antibody to CROT (carnitine O-octanoyltransferase) CROT antibody [N2C2], Internal
Purification:	Purified by antigen-affinity chromatography.

Target Details

Target:	CROT
Alternative Name:	<a href="#">carnitine O-octanoyltransferase (CROT Products)</a>

## Target Details

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**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.

Cellular Localization: Peroxisome

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**Molecular Weight:** 70 kDa

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**Gene ID:** 54677

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**UniProt:** [Q9UKG9](#)

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**Pathways:** [Monocarboxylic Acid Catabolic Process](#)

## Application Details

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**Application Notes:** WB: 1:500-1:3000. IHC-P: 1:100-1:1000. Optimal dilutions/concentrations should be determined by the researcher. Not tested in other applications.

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**Comment:** Positive Control: Mouse liver , 293T , A431

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**Restrictions:** For Research Use only

## Handling

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**Format:** Liquid

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**Concentration:** 1 mg/mL

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**Buffer:** 0.1M Tris-Glycine ( pH 7), 10 % Glycerol, 0.01 % Thimerosal

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**Preservative:** Thimerosal (Merthiolate)

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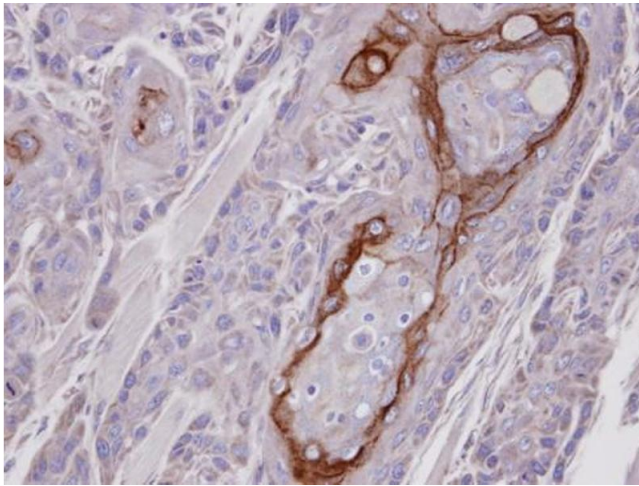
**Precaution of Use:** This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

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**Storage:** 4 °C,-20 °C

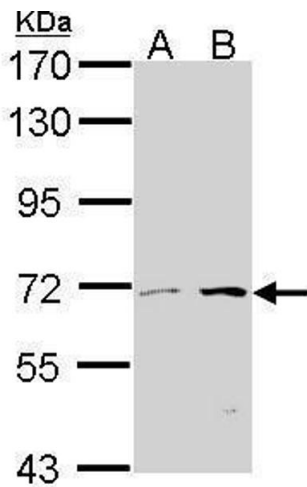
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**Storage Comment:** Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.



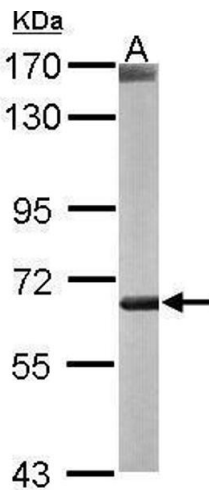
### Immunohistochemistry

**Image 1.** IHC-P Image Immunohistochemical analysis of paraffin-embedded Ca922 xenograft, using CROT, antibody at 1:100 dilution.



### Western Blotting

**Image 2.** WB Image Sample (30 ug of whole cell lysate) A: 293T B: A431 , 7.5% SDS PAGE COT antibody antibody diluted at 1:1000



### Western Blotting

**Image 3.** WB Image Sample (50 ug of whole cell lysate) A: mouse liver 7.5% SDS PAGE antibody diluted at 1:1000