

## Anti-CROT Polyclonal Antibody

## Product Details

Ig Type:	IgG
Reactivity:	Human,Rat (predicted:Mouse,Dog,Horse,Rabbit)
Molecular Weight:	Theoretical: 70 kDa. Actual: 70 kDa.
Purification:	Protein A purified

## Applications

Verified Activity:	<p>1. Tissue/cell: rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01 M, pH 6.0), Boiling bathing for 15 min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30 min; Blocking buffer (normal goat serum) at 37°C for 20 min; Incubation: Anti-CROT Polyclonal Antibody, Unconjugated (TMAB-04695) 1: 200, overnight at 4° C, followed by conjugation to the secondary antibody and DAB staining</p> <p>2. Sample: 293T Cell (Human) Lysate at 40 µg Primary: Anti-CROT (TMAB-04695) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 70 kD Observed band size: 70 kD</p>
Application:	WB,IHC-P,IHC-Fr,IF
Recommended	WB: 1:500-2000; IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:100-500

## Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

## Antigen Details

Immunogen:	KLH conjugated synthetic peptide: human CROT
Antigen Species:	Human
Gene ID:	54677
Uniprot ID:	Q9UKG9

## Research 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.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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