

Rabbit CPT1C-specific Polyclonal Antibody | anti-CPT1C antibody

CPT1C-specific Antibody

CATALOG # AAA322975	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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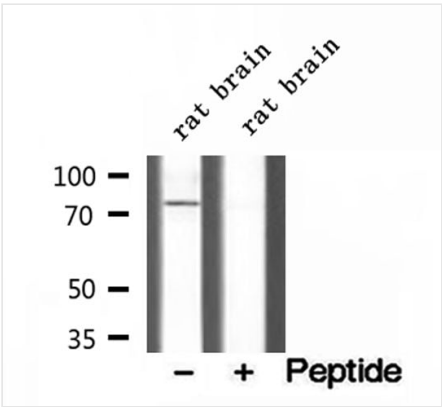
PRODUCT SYNONYMS

CPT1C-specific; Polyclonal Antibody; CPT1C-specific Antibody; brain isoform; Carnitine acyltransferase like protein 1; Carnitine acyltransferase like protein1; Carnitine O palmitoyltransferase 1 brain isoform; Carnitine O palmitoyltransferase I; Carnitine O-palmitoyltransferase 1; Carnitine O-palmitoyltransferase I; Carnitine palmitoyltransferase 1; brain; Carnitine palmitoyltransferase 1C; Carnitine palmitoyltransferase I related C; Carnitine palmitoyltransferase1C; CAT L1; CATL 1; CATL1; CPT 1 like pseudogene; Cpt 1c; CPT 1P; CPT I C; CPT IC; Cpt1 c; CPT1 like pseudogene; CPT1-B; Cpt1c; CPT1C_HUMAN; CPT1P; CPTI-B; CPTIC; anti-CPT1C antibody

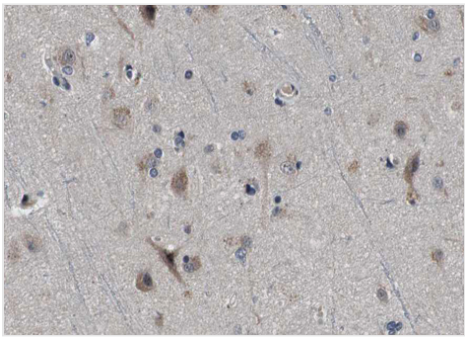
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	CPT1C-specific antibody detects endogenous levels of CPT1C-specific.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	792
Applicable Applications for anti-CPT1C antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human CPT1C-specific.
Subcellular Location	Mitochondrion Outer Membrane. Cell Junction > Synapse.
Tissue Specificity	Expressed predominantly in brain and testis. Expressed in motor neurons.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Dog
Similarity	Pig (100%), Bovine (92%), Horse (100%), Sheep (100%), Dog (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

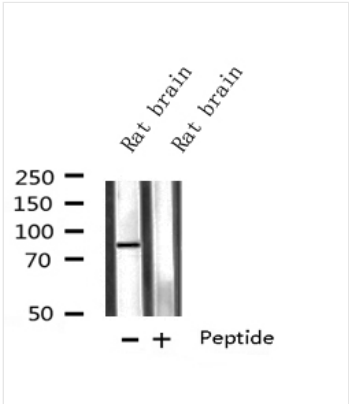
IMAGES



WB (Western Blot)
Western blot analysis of extracts of rat brain tissue, using CPT1C-specific antibody.



IHC (Immunohistochemistry)
AAA322975 at 1/100 staining human brain tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)
Western blot analysis on Rat brain lysate using CPT1C-specific antibody

ADDITIONAL INFORMATION

Related Product Information for anti-CPT1C antibody	Function: May play a role in lipid metabolic process. Subunit Structure: Peripherally associated with AMPAR complex. AMPAR complex consists of an inner core made of 4 pore-forming GluA/GRIA proteins (GRIA1, GRIA2, GRIA3 and GRIA4) and 4 major auxiliary subunits arranged in a twofold symmetry. One of the two pairs of distinct binding sites is occupied either by CNIH2, CNIH3 or CACNG2, CACNG3. The other harbors CACNG2, CACNG3, CACNG4, CACNG8 or GSG1L. This inner core of AMPAR complex is complemented by outer core constituents binding directly to the GluA/GRIA proteins at sites distinct from the interaction sites of the inner core constituents. Outer core constituents include at least PRRT1, PRRT2, CKAMP44/SHISA9, FRRS1L and NRN1. The proteins of the inner and outer core serve as a platform for other, more peripherally associated AMPAR constituents, including CPT1C. Alone or in combination, these auxiliary subunits control the gating and pharmacology of the AMPAR complex and profoundly impact their biogenesis and protein processing (By similarity). Interacts with ATL1 (PubMed:25751282). Similarity: Belongs to the carnitine/choline acetyltransferase family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	209862905
NCBI GeneID	126129
NCBI Accession #	NP_001129524.1
NCBI GenBank Nucleotide #	NM_001136052.2
UniProt Accession #	Q8TCG5; Q5K6N5; Q8N6Q9; Q8NDS6; Q8TE84; A8K0Z8

Molecular Weight	Observed: 70-82 kDa Predicted: 91 kDa
NCBI Official Full Name	carnitine O-palmitoyltransferase 1, brain isoform isoform 1
NCBI Official Synonym Full Names	carnitine palmitoyltransferase 1C
NCBI Official Symbol	CPT1C
NCBI Official Synonym Symbols	CATL1; CPT1P; CPTIC; SPG73; CPT1-B; CPTI-B
NCBI Protein Information	carnitine O-palmitoyltransferase 1, brain isoform
UniProt Protein Name	Carnitine O-palmitoyltransferase 1, brain isoform
UniProt Gene Name	CPT1C
UniProt Synonym Gene Names	CATL1; CPT1-B; CPTI-B

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/cpt1c-specific-antibody-immunohistochemistry-western-blot-elisa/322975>