

Rabbit OXCT1 Polyclonal Antibody | anti-OXCT1 antibody

OXCT1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA322909	Rabbit	Human, Mouse, Rat	Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

OXCT1; Polyclonal Antibody; OXCT1 Antibody; 3 oxoacid CoA transferase 1; 3-oxoacid CoA-transferase 1; EC 2.8.3.5; OTTHUMP00000120012; OTTHUMP00000221550; OXCT; Oxt1; SCOT; Scot S; Scot-S; SCOT1_HUMAN; Somatic type succinyl CoA:3 oxoacid CoA transferase; Somatic-type succinyl-CoA:3-oxoacid CoA-transferase; Succinyl CoA:3 ketoacid CoA transferase; Succinyl CoA:3 ketoacid coenzyme A transferase 1 mitochondrial; Succinyl CoA:3 oxoacid CoA transferase; Succinyl-CoA:3-ketoacid coenzyme A transferase 1; mitochondrial; anti-OXCT1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	OXCT1 antibody detects endogenous levels of OXCT1.
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	520
Applicable Applications for anti-OXCT1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human OXCT1.
Subcellular Location	Mitochondrion Matrix.
Tissue Specificity	Abundant in heart, followed in order by kidney, brain, and muscle, whereas in liver it is undetectable; also detectable in leukocytes and fibroblasts.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog, Xenopus
Similarity	Pig (100%), Bovine (100%), Horse (92%), Sheep (92%), Rabbit (100%), Dog (100%), Xenopus (83%)
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 human brain tissue, using OXCT1 antibody.



IHC (Immunohistochemistry)
AAA322909 at 1/100 staining Human brain cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample 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 of extracts from various samples, using OXCT1 antibody. Lane 1: rat brain treated with blocking peptide. Lane 2: rat brain; Lane 3: 293; Lane 4: mouse spleen; Lane 5: hela;

ADDITIONAL INFORMATION

Related Product Information for anti-OXCT1 antibody	Function: Key enzyme for ketone body catabolism. Transfers the CoA moiety from succinate to acetoacetate. Formation of the enzyme-CoA intermediate proceeds via an unstable anhydride species formed between the carboxylate groups of the enzyme and substrate. Subunit Structure: Homodimer. Similarity: Belongs to the 3-oxoacid CoA-transferase family.
--	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	4557817
NCBI GeneID	5019
NCBI Accession #	NP_000427.1
NCBI GenBank Nucleotide #	NM_000436.3
UniProt Accession #	P55809; B2R5V2; B7Z528
Molecular Weight	Observed: 56 kDa Predicted: 57 kDa
NCBI Official Full Name	succinyl-CoA:3-ketoacid coenzyme A transferase 1, mitochondrial isoform 3
NCBI Official Synonym Full Names	3-oxoacid CoA-transferase 1
NCBI Official Symbol	OXCT1
NCBI Official Synonym Symbols	OXCT; SCOT
NCBI Protein Information	succinyl-CoA:3-ketoacid coenzyme A transferase 1, mitochondrial
UniProt Protein Name	Succinyl-CoA:3-ketoacid coenzyme A transferase 1, mitochondrial
UniProt Gene Name	OXCT1
UniProt Synonym Gene Names	OXCT; SCOT; SCOT-s

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.