

Rabbit ECHS1 Polyclonal Antibody | anti-ECHS1 antibody

ECHS1 Antibody

CATALOG # AAA322852	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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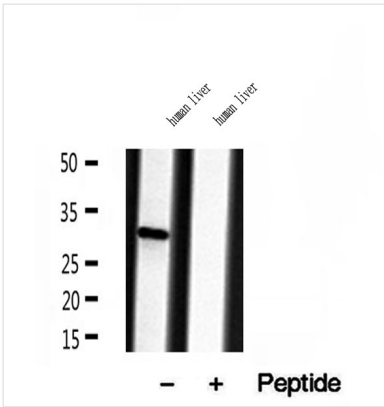
PRODUCT SYNONYMS

ECHS1; Polyclonal Antibody; ECHS1 Antibody; C80529; EC 4.2.1.17; ECHS 1; Enoyl CoA hydratase 1; Enoyl CoA hydratase mitochondrial; Enoyl CoA hydratase short chain 1 mitochondrial; Enoyl Coenzyme A hydratase short chain 1; Enoyl Coenzyme A hydratase short chain 1 mitochondrial; Mitochondrial short chain enoyl coenzyme A hydratase 1; OTTHUMP00000020811; SCEH; Short chain enoyl CoA hydratase; anti-ECHS1 antibody

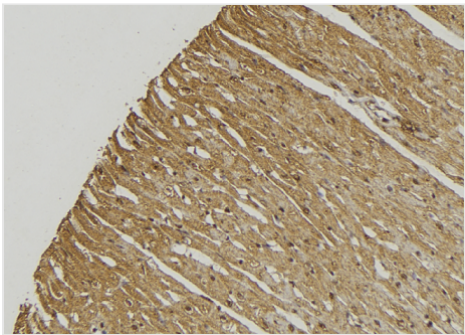
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	ECHS1 antibody detects endogenous levels of ECHS1.
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	290
Applicable Applications for anti-ECHS1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human ECHS1.
Subcellular Location	Mitochondrion Matrix.
Tissue Specificity	Liver, fibroblast, muscle. Barely detectable in spleen and kidney.
Predicted Cross Reactivity	Pig, Zebrafish, Bovine, Horse, Sheep, Rabbit, Dog, Chicken
Similarity	Pig (100%), Zebrafish (100%), Bovine (100%), Horse (92%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (91%)
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 liver tissue, using ECHS1 antibody.



IHC (Immunohistochemistry)
AAA322852 at 1/100 staining Mouse muscle 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.

ADDITIONAL INFORMATION

Related Product Information for anti-ECHS1 antibody	Function: Straight-chain enoyl-CoA thioesters from C4 up to at least C16 are processed, although with decreasing catalytic rate. Has high substrate specificity for crotonyl-CoA and moderate specificity for acryloyl-CoA, 3-methylcrotonyl-CoA and methacrylyl-CoA. It is noteworthy that binds tiglyl-CoA, but hydrates only a small amount of this substrate. Subunit Structure: Homohexamer; dimer of trimers. Similarity: Belongs to the enoyl-CoA hydratase/isomerase family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	194097323
NCBI GeneID	1892
NCBI Accession #	NP_004083.3
NCBI GenBank Nucleotide #	NM_004092.3
UniProt Accession #	P30084; O00739; Q5VWY1; Q96H54
Molecular Weight	Observed: 31 kDa Predicted: 32 kDa
NCBI Official Full Name	enoyl-CoA hydratase, mitochondrial
NCBI Official Synonym Full Names	enoyl-CoA hydratase, short chain 1
NCBI Official Symbol	ECHS1
NCBI Official Synonym Symbols	SCEH; ECHS1D
NCBI Protein Information	enoyl-CoA hydratase, mitochondrial
UniProt Protein Name	Enoyl-CoA hydratase, mitochondrial
UniProt Gene Name	ECHS1
UniProt Synonym Gene Names	SCEH

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.