



Rabbit Anti-ECH1 antibody

SL13048R

Product Name:	ECH1
Chinese Name:	烯酰辅酶A水合酶1抗体
Alias:	4)-dienoyl-CoA isomerase; 5)-Delta(2; Delta(3 5) Delta(2 4) dienoyl CoA isomerase; Delta(3 5) Delta(2 4) dienoyl CoA isomerase mitochondrial; Delta(3; Delta3 5 delta2 4 dienoyl CoA isomerase; Dienoyl CoA isomerase; ECH 1; Ech1; ECH1_HUMAN; Enoyl Coenzyme A hydratase 1; Enoyl Coenzyme A hydratase 1 peroxisomal; HPXEL; mitochondrial; MS1034; Peroxisomal enoyl CoA hydratase 1; Peroxisomal enoyl coenzyme A hydratase like protein.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	32kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human ECH1:21-120/328
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	ECH1 is a 328 amino acid protein that localizes to both the mitochondrion and the peroxisome and belongs to the hydratase/isomerase superfamily. Existing as a

homo-hexamer, ECH1 is involved in the fatty acid-beta oxidation pathway, specifically functioning to catalyze the isomerization of 3-trans,5-cis-dienoyl-CoA to 2-trans,4-trans-dienoyl-CoA. The gene encoding ECH1 maps to human chromosome 19, which is the genetic home for a number of immunoglobulin superfamily members, including the killer cell and leukocyte Ig-like receptors, a number of ICAMs, the CEACAM and PSG family and Fc receptors (FcRs).

Function:

Isomerization of 3-trans,5-cis-dienoyl-CoA to 2-trans,4-trans-dienoyl-CoA.

Subunit:

Homo-hexamer

Subcellular Location:

Mitochondrion. Peroxisome.

Similarity:

Belongs to the enoyl-CoA hydratase/isomerase family.

SWISS:

Q13011

Gene ID:

1891

Database links:

[Entrez Gene: 507431](#)Cow

[Entrez Gene: 1891](#)Human

[Entrez Gene: 64526](#)Rat

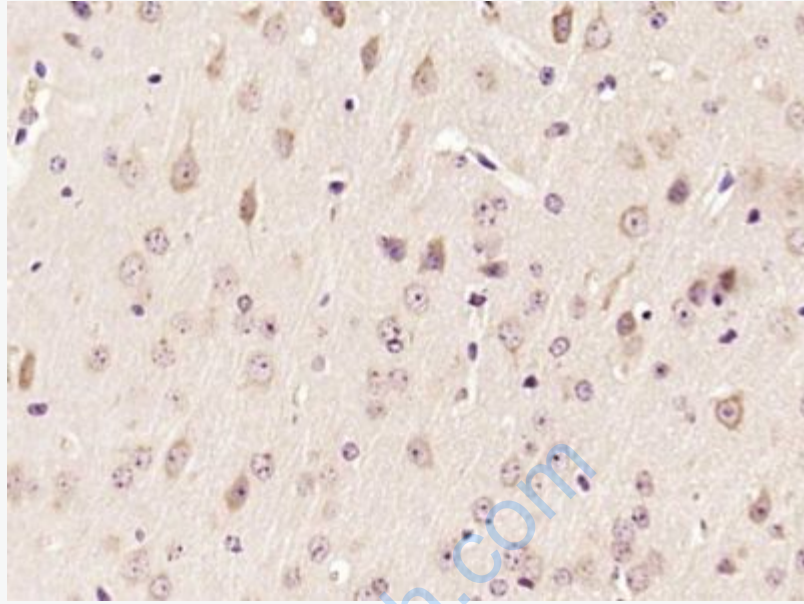
[Omin: 600696](#)Human

[SwissProt: Q13011](#)Human

[SwissProt: Q62651](#)Rat

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.



Picture:

Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (ECH1) Polyclonal Antibody, Unconjugated (SL13048R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.