

ECH1 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP55048

Product Information

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|--------------------------------|---|
| Application | WB, IHC-P, IHC-F, IF, ICC, E |
| Primary Accession | Q13011 |
| Reactivity | Rat |
| Host | Rabbit |
| Clonality | Polyclonal |
| Calculated MW | 35816 |
| Physical State | Liquid |
| Immunogen | KLH conjugated synthetic peptide derived from human ECH1 |
| Epitope Specificity | 21-120/328 |
| Isotype | IgG |
| Purity | affinity purified by Protein A |
| Buffer | 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. |
| SUBCELLULAR LOCATION | Mitochondrion. Peroxisome. |
| SIMILARITY | Belongs to the enoyl-CoA hydratase/isomerase family. |
| SUBUNIT | Homohexamer |
| Important Note | This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications. |
| Background Descriptions | 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 homohexamer, 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). |

Additional Information

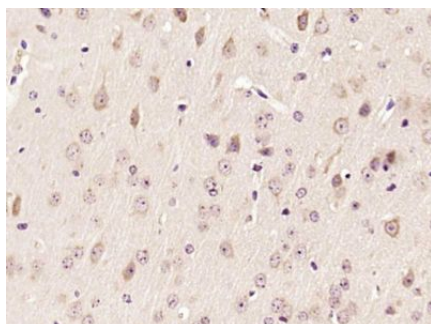
| | |
|--------------------|---|
| Gene ID | 1891 |
| Other Names | Delta(3, 5)-Delta(2, 4)-dienoyl-CoA isomerase, mitochondrial, 5.3.3.-, ECH1 (HGNC:3149) |
| Dilution | WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,ICC=1:100-500,IF=1:100-500,ELISA=1:5000-10000 |
| Format | 0.01M TBS(pH7.4) with 1% BSA, 0.09% (W/V) sodium azide and 50% Glyce |
| Storage | Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. 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.

Protein Information

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|--------------------------|---|
| Name | ECH1 (HGNC:3149) |
| Function | Isomerization of 3-trans,5-cis-dienoyl-CoA to 2-trans,4- trans-dienoyl-CoA. |
| Cellular Location | Mitochondrion {ECO:0000250 UniProtKB:Q62651}. Peroxisome {ECO:0000250 UniProtKB:Q62651} |

Images



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 (AP55048) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.