

ECHDC1 Rabbit pAb

Catalog # AP98598

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q9NTX5
Other Accession	Q9NTX5
Reactivity	Rat
Predicted	Pig, Human, Mouse, Rabbit
Host	Rabbit
Clonality	Polyclonal
Calculated MW	33698
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human ECHDC1
Epitope Specificity	151-250/307
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the enoyl-CoA hydratase/isomerase family.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Additional Information

Gene ID	55862
Other Names	HEL-S-76; MMCD; dj351K20.2; 1700028A24Rik; D10Ert667e; ECHD1_BOVIN; ECHDC1; Enoyl-CoA hydratase domain-containing protein 1; Methylmalonyl-CoA decarboxylase (MMCD); 4.1.1.94; ECHD1_HUMAN; ECHD1_MOUSE; ECHD1_RAT; ethylmalonyl-CoA decarboxylase 1; enoyl Coenzyme A hydratase domain containing 1; enoyl CoA hydratase domain containing 1
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
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

Name	ECHDC1
Function	Decarboxylates ethylmalonyl-CoA, a potentially toxic metabolite, to form butyryl-CoA, suggesting it might be involved in metabolite proofreading (PubMed: 22016388). Acts preferentially on (S)- ethylmalonyl-CoA but also has

some activity on the (R)-isomer (By similarity). Also has methylmalonyl-CoA decarboxylase activity at lower level (By similarity).

Cellular Location

Cytoplasm, cytosol.

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