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Rabbit Anti-ECHDC2 antibody

SL13049R

Product Name:	ECHDC2
Chinese Name:	烯酰辅酶A水合酶含结构域蛋白2抗体
Alias:	1300017C12Rik; 2610009M20Rik; D4Ertd765e; Enoyl Coenzyme A hydratase domain containing 2; FLJ10948; Enoyl-CoA hydratase domain-containing protein 2; RGD1308525; RP23-379K6.3; ECHD2_HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Pig,Cow,Horse,Zebrafish,Sheep,
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:	27kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human ECHDC2:153-260/292
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:	ECHDC2 is a 292 amino acid mitochondrial protein that exists as two isoforms which are produced by alternative splicing events. The gene encoding ECHDC2 maps to chromosome 1, which spans 260 million base pairs, contains over 3,000 genes and comprises nearly 8% of the human genome. Chromosome 1 encodes a large number of disease-associated proteins, including Lamin A which, when expressed abnormally, can

build up in the nucleus and cause nuclear blebs, a characteristic of the rare aging disease Hutchinson-Gilford progeria. Additionally, genes that are involved in familial adenomatous polyposis, Stickler syndrome, Parkinsons Disease, Gaucher disease, schizophrenia and Usher syndrome are all located on chromosome 1. Aberrations in chromosome 1 are found in a variety of cancers, including head and neck cancer, malignant melanoma and multiple myeloma.

Function:
ECHDC2 belongs to the enoyl-CoA hydratase/isomerase family. There are two named isforms.

Subcellular Location:
Mitochondrion (Potential).

Similarity:
Belongs to the enoyl-CoA hydratase/isomerase family.

SWISS:
Q86YB7

Gene ID:
55268

Database links:

Entrez Gene: 55268Human

Entrez Gene: 52430Mouse

Entrez Gene: 298381Rat

SwissProt: Q86YB7Human

SwissProt: Q3TLP5Mouse

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