

### **ECHDC2 Polyclonal Antibody**

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP55049

#### **Specification**

# **ECHDC2** Polyclonal Antibody - Product Information

Application WB, IHC-P, IHC-F, IF, ICC, E

Primary Accession <u>Q86YB7</u>

Reactivity Rat, Pig, Bovine Host Rabbit

Clonality Polyclonal Calculated MW 27 KDa Physical State Liquid

Immunogen KLH conjugated synthetic peptide derived

laG

from human ECHDC2

Epitope Specificity 153-260/292

Isotype Purity

Buffer 0.01M TBS (pH7.4) with 1% BSA, 0.02%

SUBCELLULAR LOCATION
SIMILARITY

Proclin300 and 50% Glycerol.
Mitochondrion (Potential).
Belongs to the enoyl-CoA

MILARITY
Belongs to the enoyi-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.

#### **Background Descriptions**

affinity purified by Protein A

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.

#### **ECHDC2 Polyclonal Antibody - Additional Information**

**Gene ID 55268** 

**Other Names** 

Enoyl-CoA hydratase domain-containing protein 2, mitochondrial, ECHDC2

**Dilution** 

<span class ="dilution WB">WB~~1:1000</span><br \><span class</pre>



="dilution\_IHC-P">IHC-P~~N/A</span><br \><span class ="dilution\_IHC-F">IHC-F~~N/A</span><br \><span class ="dilution\_IF">IF~~1:50~200</span><br \><span class ="dilution\_ICC">ICC~~N/A</span><br \><span class ="dilution\_E">E~~N/A</span>

#### **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.

## **ECHDC2 Polyclonal Antibody - Protein Information**

Name ECHDC2

**Cellular Location** Mitochondrion.

## **ECHDC2 Polyclonal Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

## **ECHDC2 Polyclonal Antibody - Images**