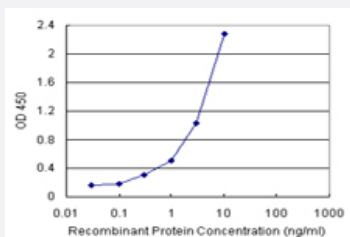


# ECHS1 (Human) Matched Antibody Pair

Catalog # H00001892-AP11

Size 1 Set

## Applications



Sandwich ELISA detection sensitivity ranging from 0.1 ng/ml to 100 ng/ml.

## Specification

|                                      |                                                                                                                                                                                                                                                                                         |
|--------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Description</b>           | This antibody pair set comes with a matched antibody pair to detect and quantify the protein level of human ECHS1.                                                                                                                                                                      |
| <b>Reactivity</b>                    | Human                                                                                                                                                                                                                                                                                   |
| <b>Interspecies Antigen Sequence</b> | Mouse (85%); Rat (83%)                                                                                                                                                                                                                                                                  |
| <b>Quality Control Testing</b>       | Standard curve using recombinant protein ( H00001892-P01 ) as an analyte.<br>Sandwich ELISA detection sensitivity ranging from 0.1 ng/ml to 100 ng/ml.                                                                                                                                  |
| <b>Supplied Product</b>              | Antibody pair set content:<br>1. Capture antibody: rabbit MaxPab® affinity purified polyclonal anti-ECHS1 (100 ug)<br>2. Detection antibody: mouse monoclonal anti-ECHS1, IgG1 Kappa (20 ug)<br>*Reagents are sufficient for at least 1-2 x 96 well plates using recommended protocols. |
| <b>Storage Instruction</b>           | Store reagents of the antibody pair set at -20°C or lower. Please aliquot to avoid repeated freeze thaw cycle. Reagents should be returned to -20°C storage immediately after use.                                                                                                      |

## Applications

- ELISA Pair (Recombinant protein)

[Protocol Download](#)

## Gene Info — ECHS1

**Entrez GeneID** [1892](#)

**Gene Name** ECHS1

**Gene Alias** SCEH

**Gene Description** enoyl Coenzyme A hydratase, short chain, 1, mitochondrial

**Omim ID** [602292](#)

**Gene Ontology** [Hyperlink](#)

**Gene Summary** The protein encoded by this gene functions in the second step of the mitochondrial fatty acid beta-oxidation pathway. It catalyzes the hydration of 2-trans-enoyl-coenzyme A (CoA) intermediates to L-3-hydroxyacyl-CoAs. The gene product is a member of the hydratase/isomerase superfamily. It localizes to the mitochondrial matrix. Transcript variants utilizing alternative transcription initiation sites have been described in the literature. [provided by RefSeq]

**Other Designations** OTTHUMP00000020811|mitochondrial short-chain enoyl-coenzyme A hydratase 1

## Pathway

- [Benzoate degradation via CoA ligation](#)
- [beta-Alanine metabolism](#)
- [Butanoate metabolism](#)
- [Caprolactam degradation](#)
- [Fatty acid elongation in mitochondria](#)
- [Fatty acid metabolism](#)
- [Limonene and pinene degradation](#)
- [Lysine degradation](#)
- [Metabolic pathways](#)

- [Propanoate metabolism](#)
- [Tryptophan metabolism](#)
- [Valine](#)

## Disease

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)