

Datasheet for ABIN2782326

anti-ECHS1 antibody (Middle Region)[Go to Product page](#)**1** Image

Overview

Quantity:	100 µL
Target:	ECHS1
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Dog, Cow, Rabbit, Zebrafish (Danio rerio), Guinea Pig, Horse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ECHS1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human ECHS1
Sequence:	RAVGKSLAME MVLTGDRISA QDAKQAGLVS KICPVETLVE EAIQCAEKIA
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 93%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 93%, Rat: 100%, Zebrafish: 86%
Characteristics:	This is a rabbit polyclonal antibody against ECHS1. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Protein A purified

Target Details

Target:	ECHS1
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Target Details

Alternative Name:	ECHS1 (ECHS1 Products)
Background:	ECHS1 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. ECHS1 is a member of the hydratase/isomerase superfamily. It localizes to the mitochondrial matrix. 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. Alias Symbols: SCEH Protein Interaction Partner: SUMO2, UBC, MDM2, GINS3, SMEK2, CNBP2, DCPS, ABHD14A, YWHAQ, SLC9A3R1, USP14, YWHAZ, VCL, UBE2V1, TGM2, RAP1GDS1, PFAS, HSPA9, GSS, CAPN1, CLDN12, UBA1, PPM1B, SERPINA1, ECHS1, CYP2E1, GRB2, UCHL5, UBA5, DDA1, CBWD2, EPB41, Protein Size: 290
Molecular Weight:	28 kDa
Gene ID:	1892
NCBI Accession:	NM_004092 , NP_004083
UniProt:	P30084
Pathways:	Monocarboxylic Acid Catabolic Process

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 290 AA
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.

Handling

Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

Image 1. WB Suggested Anti-ECHS1 Antibody Titration: 2.5ug/ml ELISA Titer: 1:312500 Positive Control: Human Liver