

# ECHS1 Recombinant Mouse mAb

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Catalog # AP94324

## Product Information

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<b>Application</b>	WB, IHC-P, IHC-F, IF
<b>Host</b>	Rabbit
<b>Clonality</b>	Recombinant
<b>Physical State</b>	Liquid
<b>Isotype</b>	IgG1, Kappa
<b>Purity</b>	affinity purified by Protein G
<b>Buffer</b>	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
<b>SUBCELLULAR LOCATION</b>	Mitochondrion matrix.
<b>SIMILARITY</b>	Belongs to the enoyl-CoA hydratase/isomerase family.
<b>SUBUNIT</b>	Homohexamer; dimer of trimers.
<b>Important Note</b>	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
<b>Background Descriptions</b>	ECHS1 (Enoyl Coenzyme A hydratase, short chain, 1) catalyzes the hydration of 2-trans-enoyl-coenzyme A (CoA) intermediates to L-3-hydroxyacyl-CoAs, in the second step of the mitochondrial fatty acid beta-oxidation pathway.

## Additional Information

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<b>Target/Specificity</b>	Liver, fibroblast, muscle. Barely detectable in spleen and kidney.
<b>Dilution</b>	WB=1:200-1000,IHC-P=1:20-100,IHC-F=1:20-100,IF=1:20-100
<b>Format</b>	0.01M TBS(pH7.4) with 1% BSA, 0.09% (W/V) sodium azide and 50% Glyce
<b>Storage</b>	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.

## Background

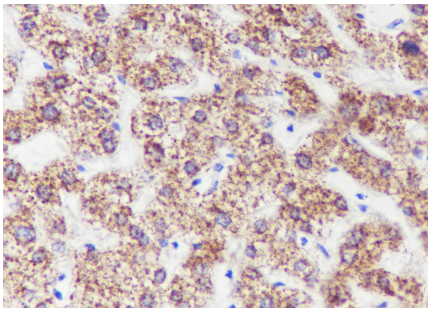
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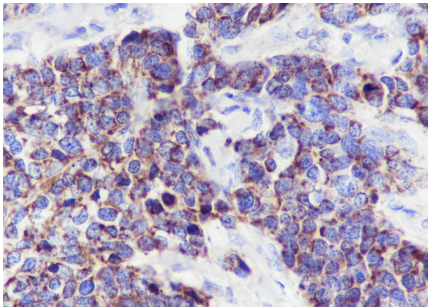
## Images

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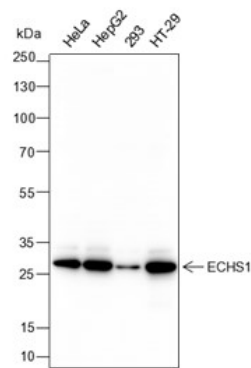
Tissue: Human liver Section type: Formalin fixed & Paraffin -embedded section Retrieval method: High temperature and high pressure Retrieval buffer: Tris/EDTA buffer, pH 9.0 Primary ab dilution: 1:100



Primary ab incubation condition: 1 hour at room temperature Counter stain: Hematoxylin Comment: Color brown is the positive signal for AP94324



Tissue: Human breast cancer Section type: Formalin fixed & Paraffin -embedded section Retrieval method: High temperature and high pressure Retrieval buffer: Tris/EDTA buffer, pH 9.0 Primary ab dilution: 1:100 Primary ab incubation condition: 1 hour at room temperature Counter stain: Hematoxylin Comment: Color brown is the positive signal for AP94324



Blocking buffer: 5% NFDM/TBST Primary ab dilution: 1:1000 Primary ab incubation condition: 4°C overnight Lysate: HeLa, HepG2, 293, HT-29 Protein loading quantity: 20 µg Exposure time: 30 s Predicted MW: 31 kDa Observed MW: 31 kDa

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