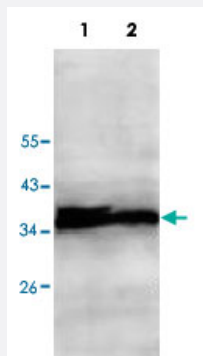


ECH1 polyclonal antibody

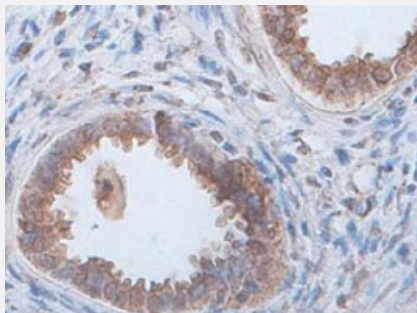
Catalog # PAB18861 Size 100 ug

Applications



Western Blot (Cell lysate)

Western blot analysis of HepG2 (Lane 1) and Jurkat (Lane 2) cell lysate with ECH1 polyclonal antibody (Cat # PAB18861) at 1 : 500 dilution.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of formalin-fixed paraffin-embedded human fetal kidney tissue showing cytoplasmic staining with ECH1 polyclonal antibody (Cat # PAB18861) at 1 : 100 dilution.

Specification

Product Description	Rabbit polyclonal antibody raised against partial recombinant ECH1.
Immunogen	Recombinant protein corresponding to amino acids 145-325 of human ECH1.
Host	Rabbit
Reactivity	Human
Form	Liquid

Recommend Usage	ELISA (1:10000-1:80000) Western Blot (1:200-1:1000) Immunohistochemistry (1:50-1:200) The optimal working dilution should be determined by the end user.
Storage Buffer	In buffer containing 0.02% sodium azide
Storage Instruction	Store at 4°C for three months. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot analysis of HepG2 (Lane 1) and Jurkat (Lane 2) cell lysate with ECH1 polyclonal antibody (Cat # PAB18861) at 1 : 500 dilution.

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- Enzyme-linked Immunoabsorbent Assay

Gene Info — ECH1

Entrez GeneID	1891
Protein Accession#	NM_001398
Gene Name	ECH1
Gene Alias	HPXEL
Gene Description	enoyl Coenzyme A hydratase 1, peroxisomal
Omim ID	600696
Gene Ontology	Hyperlink

Gene Summary

This gene encodes a member of the hydratase/isomerase superfamily. The gene product shows high sequence similarity to enoyl-coenzyme A (CoA) hydratases of several species, particularly within a conserved domain characteristic of these proteins. The encoded protein, which contains a C-terminal peroxisomal targeting sequence, localizes to the peroxisome. The rat ortholog, which localizes to the matrix of both the peroxisome and mitochondria, can isomerize 3-trans,5-cis-dienoyl-CoA to 2-trans,4-trans-dienoyl-CoA, indicating that it is a delta3,5-delta2,4-dienoyl-CoA isomerase. This enzyme functions in the auxiliary step of the fatty acid beta-oxidation pathway. Expression of the rat gene is induced by peroxisome proliferators. [provided by RefSeq]

Other Designations

delta3,5-delta2,4-dienoyl-CoA isomerase|dienoyl-CoA isomerase|peroxisomal enoyl-CoA hydratase 1|peroxisomal enoyl-coenzyme A hydratase-like protein

Pathway

- [Tyrosine metabolism](#)