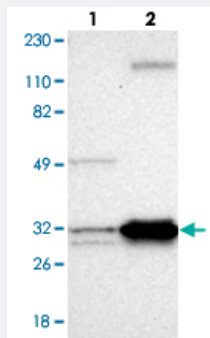


ECH1 polyclonal antibody

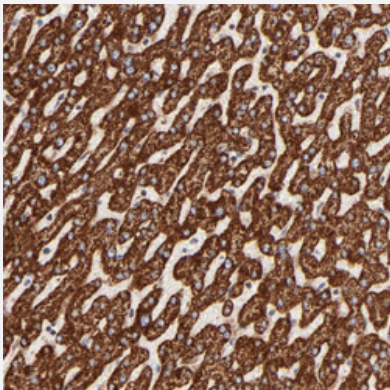
Catalog # PAB29527 Size 100 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of Lane 1: Human cell line RT-4, Lane 2: Human cell line U-251MG sp with ECH1 polyclonal antibody (Cat # PAB29527).



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

Immunohistochemical staining of human liver with ECH1 polyclonal antibody (Cat # PAB29527) shows strong cytoplasmic positivity in hepatocytes.

Specification

Product Description	Rabbit polyclonal antibody raised against recombinant human ECH1.
Immunogen	Recombinant protein corresponding to human ECH1.
Sequence	ISRLTGSSAQEEASGVALGEAPDHSYESLRVTSQKHLVQLNRPNKRNAMNKVFWREMVE CFNKISRDA DCRAVVISGAGKMFTAGIDLMDMASDILQPKGDDVARISWYLRDIITRYQETFNVIERC PK
Host	Rabbit
Reactivity	Human

Form	Liquid
Purification	Antigen affinity purification
Isotype	IgG
Recommend Usage	Immunohistochemistry (1:200-1:500) Western Blot (1:100-1:250) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide)
Storage Instruction	Store at 4°C. 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 Lane 1: Human cell line RT-4, Lane 2: Human cell line U-251MG sp with ECH1 polyclonal antibody (Cat # PAB29527).

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

Immunohistochemical staining of human liver with ECH1 polyclonal antibody (Cat # PAB29527) shows strong cytoplasmic positivity in hepatocytes.

Gene Info — ECH1

Entrez GeneID	1891
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](#)