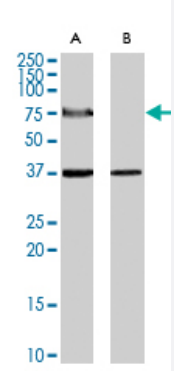
ACOX2 polyclonal antibody

Catalog # PAB7222 Size 100 ug

Applications



Western Blot (Tissue lysate)

ACOX2 polyclonal antibody (Cat # PAB7222) (0.5 ug/mL) staining of human liver lysate (35 ug protein in RIPA buffer) with (B) and without (A) blocking with the immunising peptide. Primary incubation was 1 hour. Detected by chemiluminescence.

Specification

Product Description	Goat polyclonal antibody raised against synthetic peptide of ACOX2.
Immunogen	A synthetic peptide corresponding to human ACOX2.
Sequence	C-QWAQKSPTNTQENP
Host	Goat
Theoretical MW (kDa)	76.8
Reactivity	Human
Form	Liquid
Purification	Antigen affinity purification
Concentration	0.5 mg/mL
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.

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Recommend Usage	ELISA (1:4000) Western Blot (0.5-1.5 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Western Blot (Tissue lysate)

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- Enzyme-linked Immunoabsorbent Assay

Gene Info — ACOX2

Entrez GeneID	8309
Protein Accession#	NP_003491.1
Gene Name	ACOX2
Gene Alias	BCOX, BRCACOX, BRCOX, THCCox
Gene Description	acyl-Coenzyme A oxidase 2, branched chain
Omim ID	601641
Gene Ontology	Hyperlink
Gene Summary	The product of this gene belongs to the acyl-CoA oxidase family. It encodes the branched-chain a cyl-CoA oxidase which is involved in the degradation of long branched fatty acids and bile acid int ermediates in peroxisomes. Deficiency of this enzyme results in the accumulation of branched fatt y acids and bile acid intermediates, and may lead to Zellweger syndrome, severe mental retardati on, and death in children. [provided by RefSeq
Other Designations	Peroxisomal branched chain acyl-CoA oxidase|THCA-CoA oxidase|Trihydroxycoprostanoyl-CoA oxidase

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Publication Reference

- Molecular characterization of the human peroxisomal branched-chain acyl-CoA oxidase: cDNA cloning, chromosomal assignment, tissue distribution, and evidence for the absence of the protein in Zellweger syndrome.

  Baumgart E, Vanhooren JC, Fransen M, Marynen P, Puype M, Vandekerckhove J, Leunissen JA, Fahimi HD, Mannaerts GP, van Veldhoven PP.

  PNAS 1996 Nov; 93(24):13748.

  Application: WB-Re, Recombinant protein

Pathway

- Metabolic pathways
- PPAR signaling pathway
- Primary bile acid biosynthesis

Disease

- Tobacco Use Disorder

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