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Research Use Only. Not for diagnostic or therapeutic use.

Storage: For long-term storage keep aliquots at -20°C. (Store no longer than 12 months at 4°C). Minimize freezing and thawing.

EB07668 - Goat Anti-ACOX2 Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: Trihydroxycoprostanoyl-CoA oxidase, THCA-CoA oxidase, Peroxisomal branched chain acyl-CoA oxidase, THCCox, BRCCOX, BRCACOX, BCOX, acyl-Coenzyme A oxidase 2, branched chain, ACOX2

Official Symbol: ACOX2

Accession Number(s): NP_003491.1

Human GeneID(s): [8309](#)

Non-Human GeneID(s): 93732 (mouse), 252898 (rat)

Important Comments: Please note this antibody was designed using the mouse sequence, which differs by 1 amino acids from the human sequence.

Immunogen

Peptide with sequence C-HQSRLRPSDPEAK, from the internal region (near the C Terminus) of the protein sequence according to NP_003491.1.

Please note the [peptide](#) is available for sale.

Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Aliquot and store at -20°C. Minimize freezing and thawing.

Applications Tested

Peptide ELISA: antibody detection limit dilution 1:32000.

Western blot: Approx 75kDa band observed in Human Liver lysates (calculated MW of 76.8kDa according to NP_003491.1). Recommended concentration: 0.1-0.3µg/ml. An additional band of unknown identity was also consistently observed at 150kDa. This band was successfully blocked by incubation with the immunising peptide. We would appreciate any feedback from people in the field - have any such results been reported with other antibodies/lysates? Have any further splice variants/modified forms been reported?

Species Reactivity

Tested: Human

Expected from sequence similarity: Human, Mouse, Rat, Cow, Rabbit

Background Reference

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

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.

Proc Natl Acad Sci U S A. 1996 Nov 26;93(24):13748-53.

PMID: 8943006



EB07668 (0.1µg/ml) staining of Human Liver lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour.
Detected by chemiluminescence.