



RayBiotech, Inc.

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Certificate of Analysis and Data Sheet

Goat Anti-ACOX2

With HRP-conjugated Secondary Antibody

Catalog No.
ER-14-0080

Accession Number
NP_003491.1

Target Protein

Principal Names: Trihydroxycoprostanoyl-CoA oxidase, THCA-CoA oxidase, Peroxisomal branched chain acyl-CoA oxidase, THCCox, BRCOX, 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.

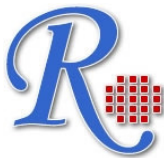
Aliquot and store at -20°C. Minimize freezing and thawing.

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 immunizing 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?

**The products are furnished for LABORATORY RESEARCH USE ONLY.
Not for diagnostic or therapeutic use.**



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Species Reactivity

Tested: Human

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

Secondary Antibody Applications

Immunoassay (ELISA, Western blotting): 1:5,000-1:10,000

Image



ER-14-0080 (0.1 µg/ml) staining of Human Liver lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

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