

AP50054PU-N**Polyclonal Antibody to ACOX2 (N-term) - Aff - Purified****Alternate names:**

12-alpha-trihydroxy-5-beta-cholestanoyl-CoA 24-hydroxylase, 12-alpha-trihydroxy-5-beta-cholestanoyl-CoA oxidase, 3-alpha, 3-alpha, 7-alpha, 7-alpha, ACOX-2, EC=1.17.99.3, Peroxisomal acyl-coenzyme A oxidase 2, THCA-CoA oxidase, THCCox, Trihydroxycoprostanoyl-CoA oxidase

Quantity:

0.4 ml

Concentration:

lot specific

Background:

The product of this gene belongs to the acyl-CoA oxidase family. It encodes the branched-chain acyl-CoA oxidase which is involved in the degradation of long branched fatty acids and bile acid intermediates in peroxisomes. Deficiency of this enzyme results in the accumulation of branched fatty acids and bile acid intermediates, and may lead to Zellweger syndrome, severe mental retardation, and death in children.

Uniprot ID:

[Q99424](#)

NCBI:

[NP_003491](#)

GenelD:

[8309](#)

Host / Isotype:

Rabbit / Ig

Immunogen:

KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of human ACOX2

Format:

State: Liquid purified Ig fraction

Purification: Affinity chromatography on Protein A

Buffer System: PBS containing 0.09% (W/V) sodium azide as preservative

Applications:

ELISA: 1/1000.

Western blotting: 1/100 - 1/500.

Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity:

This antibody reacts to ACOX2.

Species Reactivity:

Tested: Human.

Add. Information:

Molecular Weight: 76827 Da

Storage:

Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.

Avoid repeated freezing and thawing.

Shelf life: one year from despatch.

General Readings:

1. Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010)
2. Rikova, K., et al. Cell 131(6):1190-1203(2007)
3. Wanders, R.J., et al. Annu. Rev. Biochem. 75, 295-332 (2006)
4. Moghrabi, N.N., et al. Biochem. Biophys. Res. Commun. 231(3):767-769(1997)
5. Baumgart, E., et al. Ann. N. Y. Acad. Sci. 804, 678-679 (1996)

Pictures:

ACOX2 Antibody (N-term) (Cat. #AP50054PU-N) western blot analysis in A375 cell line lysates (35 µg/lane). This demonstrates the ACOX2 antibody detected the ACOX2 protein (arrow).

