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Product datasheet for AP12247PU-N

ACOX1 (N-term) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	ELISA: 1/1,000. Western Blot: 1/1,000.
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	This antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide selected from the N-terminal region of human ACOX1.
Specificity:	This antibody is specific to ACOX1 (N-term).
Formulation:	PBS with 0.09% (W/V) Sodium Azide as preservative. State: Purified State: Liquid purified Ig fraction.
Concentration:	lot specific
Purification:	Protein G Chromatography, eluted with high and low pH buffers and neutralized immediately, followed by dialysis against PBS.
Conjugation:	Unconjugated
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.
Stability:	Shelf life: one year from despatch.
Gene Name:	acyl-CoA oxidase 1, palmitoyl
Database Link:	Entrez Gene 51 Human Q15067

View online »

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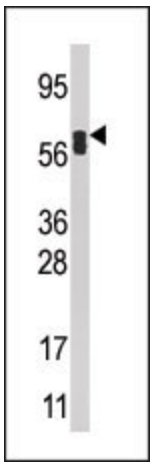
Background: ACOX1 is the first enzyme of the fatty acid beta-oxidation pathway, which catalyzes the desaturation of acyl-CoAs to 2-trans-enoyl-CoAs. It donates electrons directly to molecular oxygen, thereby producing hydrogen peroxide. Defects in this gene result in pseudoneonatal adrenoleukodystrophy, a disease that is characterized by accumulation of very long chain fatty acids.

Synonyms: AOX, Palmitoyl-CoA oxidase, Straight-chain acyl-CoA oxidase

Note: **Calculated Molecular weight:** 74442 Da

Product images:



Western blot analysis of anti-ACOX1 Pab in mouse liver lysate. Data is kindly provided by Hye Won Kang and Dr. McGrane at the Univ. of Connecticut (Storrs, CT).

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