

## ACOX1

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**Reactivity:**Human Mouse Rat

**Tested applications:**WB IHC

**Recommended Dilution:**WB 1:500 - 1:2000 IHC 1:100 - 1:200

**Calculated MW:**74kDa

**Observed MW:**Refer to figures

**Immunogen:**

Recombinant protein of human ACOX1

**Storage Buffer:**

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Synonym:**

ACOX; SCOX; PALMCOX;

**Catalog #:**A8091

**Antibody Type:**

Polyclonal Antibody

**Species:**Rabbit

**Gene ID:**51

**Isotype:**IgG

**Swiss Prot:**Q15067

**Purity:**Affinity purification

For research use only.

**Background:**

The protein encoded by this gene 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. Alternatively spliced transcript variants encoding different isoforms have been identified.

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