

ACOX1 antibody

Product Information

Catalog No.:	FNab00095
Size:	100µg
Form:	liquid
Purification:	Immunogen affinity purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Rabbit
Clonality:	polyclonal
Clone ID:	None
IsoType:	IgG
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months (Avoid repeated freeze / thaw cycles.)

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. It has 3 isoforms produced by alternative splicing with the molecular mass of 70-74 kDa and can be cleaved post-translationally into a 50-kDa and a 22-kDa subunit between Val468 and Ala469 (PMID: 10672038).

Immunogen information

Immunogen:	acyl-Coenzyme A oxidase 1, palmitoyl
Synonyms:	Peroxisomal acyl-coenzyme A oxidase 1 (AOX) Palmitoyl-CoA oxidase Peroxisomal fatty acyl-CoA oxidase Straight-chain acyl-CoA oxidase (SCOX) Peroxisomal acyl-CoA oxidase 1, A chain Peroxisomal acyl-CoA oxidase 1, B chain Peroxisomal acyl-CoA oxidase 1, C chain ACOX1 ACOX
Observed MW:	74 kDa
Uniprot ID :	Q15067

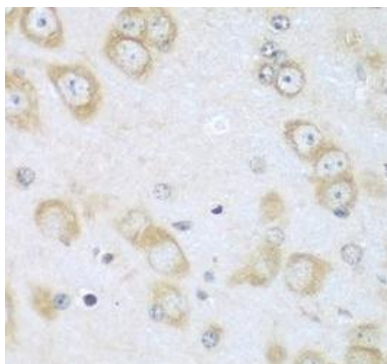
Application

Reactivity: Human, Mouse, Rat

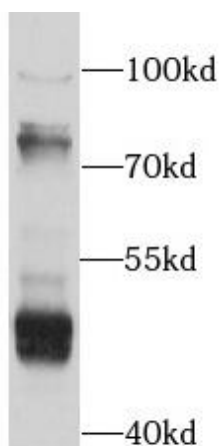
Tested Application: ELISA, WB, IHC, IF

Recommended dilution: WB: 1:500 - 1:2000; IHC: 1:100 - 1:200; IF: 1:50 - 1:200

Image:



Immunohistochemistry of paraffin-embedded mouse brain using FNab00095(AOX antibody) at dilution of 1:100



NCI-H460 were subjected to SDS PAGE followed by western blot with FNab00095(AOX antibody) at dilution of 1:1000