

For Research Use Only

ACOX1 Monoclonal antibody, PBS Only



Catalog Number: 68017-1-PBS

Basic Information

Catalog Number: 68017-1-PBS	GenBank Accession Number: BC010425	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 51	CloneNo.: 3E12E10
Source: Mouse	UNIPROT ID: Q15067	
Isotype: IgG1	Full Name: acyl-Coenzyme A oxidase 1, palmitoyl	
Immunogen Catalog Number: AG28037	Calculated MW: 74 kDa	
	Observed MW: 50 kDa	

Applications

Tested Applications:
WB, ELISA

Species Specificity:
Human, Rat, Mouse

Background Information

ACOX1(Peroxisomal acyl-coenzyme A oxidase 1) is the first and rate-limiting enzyme in the peroxisomal fatty acid beta-oxidation pathway and catalyzes the desaturation of acyl-CoAs to 2-trans-enoyl-CoAs. It belongs to the acyl-CoA oxidase family and also named as ACOX, AOX, SCOX. 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). Defects in ACOX1 are the cause of adrenoleukodystrophy pseudoneonatal (Pseudo-NALD).

Storage

Storage:
Store at -20°C. Stable for one year after shipment.

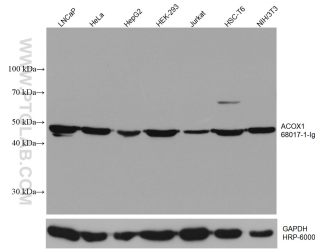
Storage Buffer:
PBS only

Aliquoting is unnecessary for -20°C storage

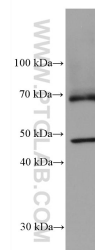
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

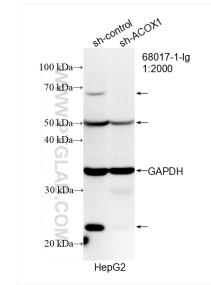
Selected Validation Data



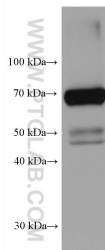
Various lysates were subjected to SDS PAGE followed by western blot with 68017-1-Ig (ACOX1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control. This data was developed using the same antibody clone with 68017-1-PBS in a different storage buffer formulation.



rat liver tissue were subjected to SDS PAGE followed by western blot with 68017-1-Ig (ACOX1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 68017-1-PBS in a different storage buffer formulation.



WB result of ACOX1 antibody (68017-1-Ig; 1:2000; incubated at room temperature for 1.5 hours) with sh-Control and sh-ACOX1 transfected HepG2 cells. This data was developed using the same antibody clone with 68017-1-PBS in a different storage buffer formulation.



pig liver tissue were subjected to SDS PAGE followed by western blot with 68017-1-Ig (ACOX1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 68017-1-PBS in a different storage buffer formulation.