

For Research Use Only

OXCT1 Recombinant antibody

Catalog Number: 81011-1-RR



Basic Information

Catalog Number: 81011-1-RR	GenBank Accession Number: BC009001	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 5019	CloneNo.: 4K12
Source: Rabbit	UNIPROT ID: P55809	Recommended Dilutions: WB 1:5000-1:50000 IF/ICC 1:250-1:1000
Isotype: IgG	Full Name: 3-oxoacid CoA transferase 1	
Immunogen Catalog Number: AG2818	Calculated MW: 520 aa, 56 kDa	
	Observed MW: 56 kDa	

Applications

Tested Applications: WB, IF/ICC, ELISA	Positive Controls:
Species Specificity: human, mouse, rat	WB : HeLa cells, Jurkat cells, mouse skeletal muscle, mouse brain, rat brain, mouse heart, rat heart
	IF/ICC : HeLa cells, SKOV-3 cells

Background Information

3-oxoacid-CoA transferase 1 (OXCT1), encoded by nuclear gene, is a mitochondrial CoA transferase required for ketone body degradation. It catalyzes the transfer of CoA from succinyl-CoA to acetoacetate, generating acetoacetyl-CoA. OXCT1 is expressed in brain, heart, and skeletal muscle, but not in liver. This antibody specifically recognizes endogenous OXCT1. (21209089)

Storage

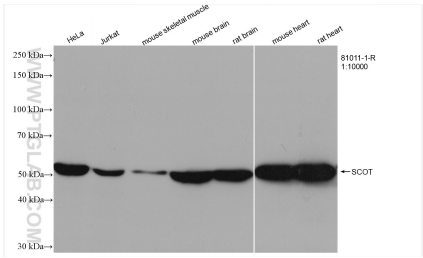
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

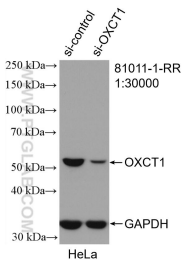
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

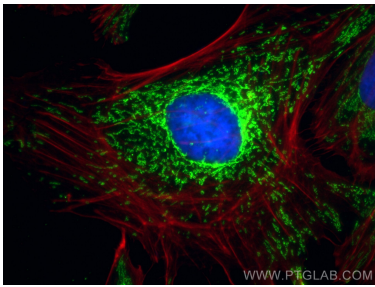
Selected Validation Data



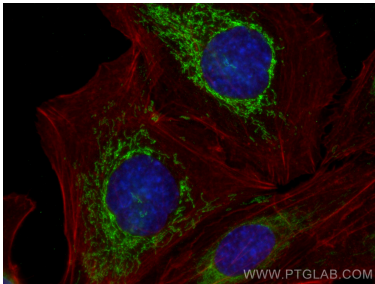
Various lysates were subjected to SDS PAGE followed by western blot with 81011-1-RR (OXCT1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



WB result of OXCT1 antibody (81011-1-RR; 1:30000; incubated at room temperature for 1.5 hours) with sh-Control and sh-OXCT1 transfected HeLa cells.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using OXCT1 antibody (81011-1-RR, Clone: 4K12) at dilution of 1:500 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).



Immunofluorescent analysis of (10% Formaldehyde) fixed SKOV-3 cells using OXCT1 antibody (81011-1-RR, Clone: 4K12) at dilution of 1:500 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).