

For Research Use Only

OXCT1 Recombinant antibody

Catalog Number: 81011-1-RR



Basic Information

Catalog Number:

81011-1-RR

Concentration:

1000 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG2818

GenBank Accession Number:

BC009001

GeneID (NCBI):

5019

UNIPROT ID:

P55809

Full Name:

3-oxoacid CoA transferase 1

Calculated MW:

520 aa, 56 kDa

Observed MW:

56 kDa

Purification Method:

Protein A purification

CloneNo.:

4K12

Recommended Dilutions:

WB 1:5000-1:50000

IF/ICC 1:250-1:1000

Applications

Tested Applications:

WB, IF/ICC, ELISA

Species Specificity:

human, mouse, rat

Positive Controls:

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

For technical support and original validation data for this product please contact:

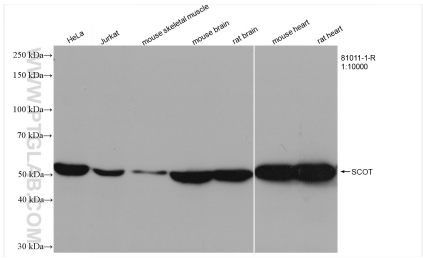
T: 4006900926

E: Proteintech-CN@ptglab.com

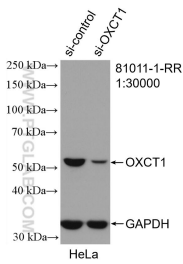
W: ptgcn.com

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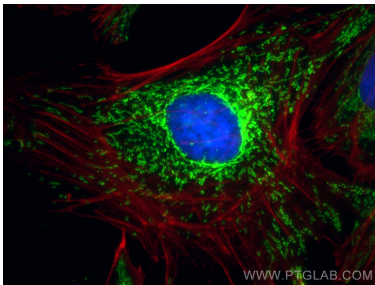
Selected Validation Data



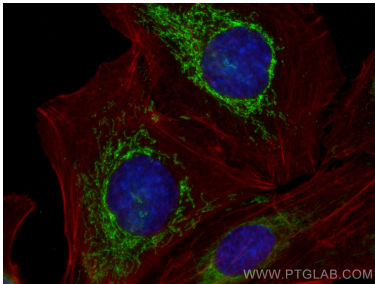
Various lysates were subjected to SDS PAGE followed by western blot with 81011-1-RR (OXCT1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



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).