

For Research Use Only

# OXCT1 Recombinant antibody

Catalog Number: 81011-1-RR



## Basic Information

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

## Applications

**Tested Applications:**  
IF/ICC, WB, 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 :** 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 pH 7.3.

Aliquoting is unnecessary for -20°C storage

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

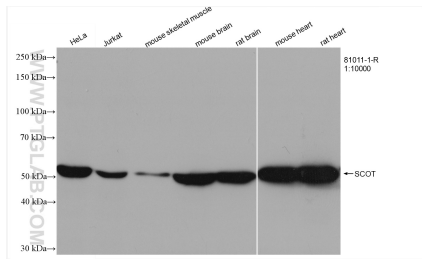
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

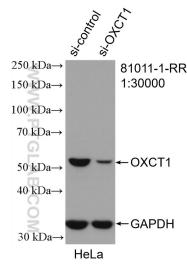
W: [ptgcn.com](http://ptgcn.com)

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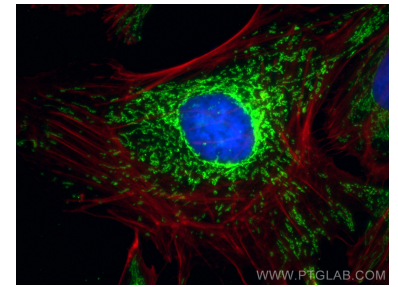
## Selected Validation Data



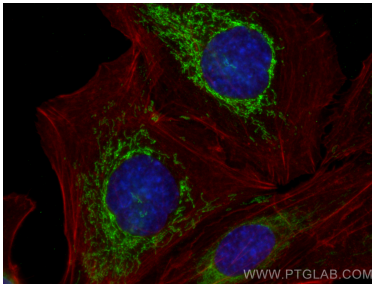
Various lysates were subjected to SDS PAGE followed by western blot with 81011-1-RR (OXCT1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



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).