

À des fins de recherche uniquement

# Anticorps Polyclonal de lapin anti- OXCT1



Numéro de catalogue: 12175-1-AP

Phare

36 Publications

## Informations de base

Numéro de catalogue:  
12175-1-AP

Taille:  
150ul, Concentration: 650 µg/ml by  
Nanodrop and 253 µg/ml by Bradford  
method using BSA as the standard;

Hôte:  
Lapin

Isotype:  
IgG

Immunogen Catalog Number:  
AG2818

Numéro d'acquisition GenBank:  
BC009001

Identification du gène (NCBI):  
5019

Nom complet:  
3-oxoacid CoA transferase 1

MW calculé  
520 aa, 56 kDa

MW observés:  
56 kDa

Méthode de purification:  
Purification par affinité contre  
l'antigène

Dilutions recommandées:  
WB 1:1000-1:8000  
IP 0.5-4.0 ug for IP and 1:500-1:2000  
for WB  
IHC 1:50-1:500  
IF 1:300-1:1200

## Applications

Applications testées:  
IF, IHC, IP, WB, ELISA

Demandes citées:  
IF, IHC, WB

Spécificité de l'espèce:  
Humain, rat, souris

Espèces citées:  
bovin, Humain, rat, souris

**Remarque-IHC: il est suggéré de démasquer  
l'antigène avec un tampon de TE buffer pH  
9.0; (\*) A défaut, 'le démasquage de  
l'antigène peut être 'effectué avec un  
tampon citrate pH 6,0.**

Contrôles positifs:

WB : tissu cérébral de souris, cellules HeLa, tissu de  
muscle squelettique de rat, tissu de muscle  
squelettique de souris

IP : tissu cérébral de souris,

IHC : tissu de gliome humain, tissu cardiaque de  
souris, tissu cérébral de souris, tissu de cancer de la  
prostate humain

IF : cellules HeLa, cellules MCF-7

## Informations générales

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)

## Publications notables

Autrice	Pubmed ID	Journal	Application
Nguyen Ngoc Trang	36184012	J Nutr Biochem	WB
De Huang	27644987	Cell Res	WB
Tim Düking	36112685	Sci Adv	WB,IF

## Stockage

Stockage:

Stocker à -20°C. Stable pendant un an après l'expédition.

Tampon de stockage:

PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3

L'aliquotage n'est pas nécessaire pour le stockage à -20C

\*\*\* Les 20ul contiennent 0,1% de BSA.

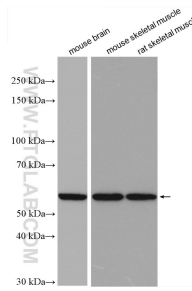
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free  
in USA), or 1(312) 455-8498 (outside USA)

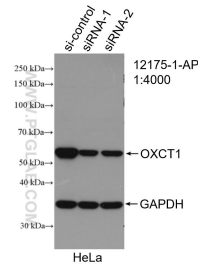
E: proteintech@ptglab.com  
W: ptglab.com

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

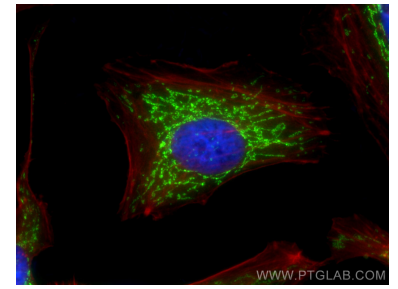
## Données de validation sélectionnées



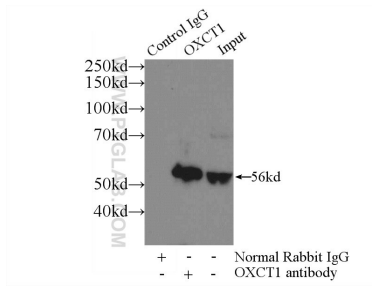
Various lysates were subjected to SDS PAGE followed by western blot with 12175-1-AP (OXCT1 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



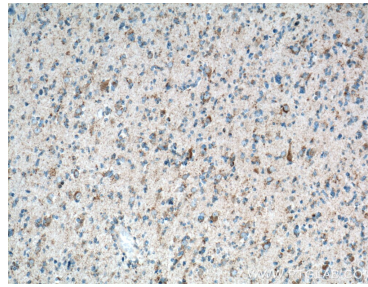
WB result of OXCT1 antibody (12175-1-AP; 1:4000; incubated at room temperature for 1.5 hours) with sh-Control and sh-OXCT1 transfected HeLa cells.



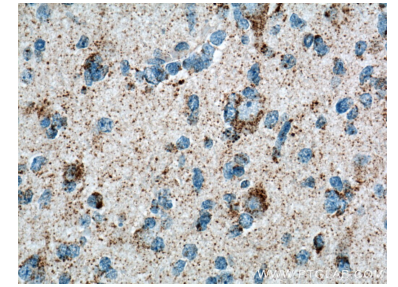
Immunofluorescent analysis of (4% PFA) fixed HeLa cells using OXCT1 antibody (12175-1-AP) at dilution of 1:600 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).



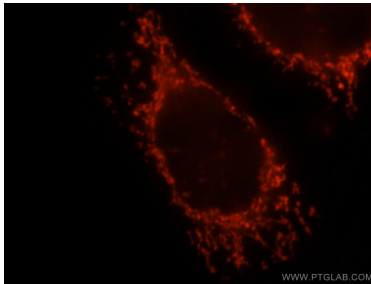
IP Result of anti-OXCT1 (IP:12175-1-AP, 3ug; Detection:12175-1-AP 1:1000) with mouse brain tissue lysate 4000ug.



Immunohistochemical analysis of paraffin-embedded human gliomas tissue slide using 12175-1-AP (OXCT1 antibody at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human gliomas tissue slide using 12175-1-AP (OXCT1 antibody at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of MCF-7 cells, using OXCT1 antibody 12175-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red).