USA: proteintech@ptglab.com

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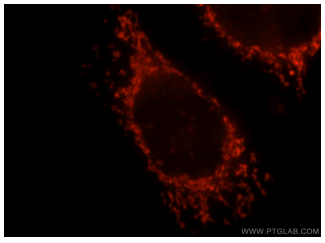
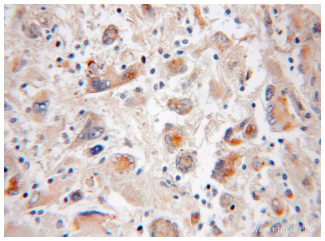
OXCT1 Polyclonal Antibody

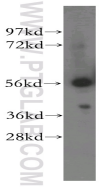
Catalog number: 12175-1-AP
Size: 38 µg/150 µl
Source: Rabbit
Isotype: IgG
Synonyms:
OXCT1; 3 oxoacid CoA transferase 1, OXCT, OXCT1, SCOT, SCOT s



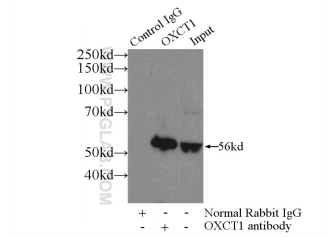
Immunofluorescent analysis of MCF-7 cells, using OXCT1 antibody 12175-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red).



Immunohistochemical of paraffin-embedded human medulloblastoma using 12175-1-AP(SCOT antibody) at dilution of 1:50 (under 10x lens)



human brain tissue were subjected to SDS PAGE followed by western blot with 12175-1-AP(SCOT antibody) at dilution of 1:400



IP Result of anti-SCOT (IP:12175-1-AP, 3ug;

Background

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)

Applications

Tested applications:	**ELISA, WB, IHC, IF, IP**
Cited applications:	**IHC, WB**
Species specificity:	**Human,Mouse,Rat; other species not tested.**
Cited species:	**Human, mouse**
Caculated OXCT1 MW:	**520aa,56 kDa**
Observed OXCT1 MW:	**56 kDa**
Positive WB detected in	**Human brain tissue, human heart tissue, human kidney tissue, human lung tissue, mouse skeletal muscle tissue, mouse thymus tissue**
Positive IP detected in	**Mouse brain tissue**
Positive IHC detected in	**Human medulloblastoma tissue**
Positive IF detected in	**MCF-7 cells**
Recommended dilution:	**WB: 1:1000-1:10000** **IP: 1:500-1:5000** **IHC: 1:20-1:200** **IF: 1:10-1:100**

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen:	**Ag2818**
GenBank accession number:	**BC009001**
Gene ID (NCBI):	**5019**
Full name:	**3-oxoacid CoA transferase 1**

Product information

Purification method:	**Antigen affinity purification**
Storage:	**PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.**

Detection:12175-1-AP 1:1000)
with mouse brain tissue lysate
4000ug.