

For Research Use Only

# CoraLite® Plus 488-conjugated OXCT1 Recombinant antibody

Catalog Number:CL488-81011



## Basic Information

|  |  |   |
|--|--|---|
| <b>Catalog Number:</b><br>CL488-81011                          | <b>GenBank Accession Number:</b><br>BC009001     | <b>Purification Method:</b><br>Protein A purification             |
| <b>Size:</b><br>100ul , Concentration: 1000 ug/ml by Nanodrop; | <b>GeneID (NCBI):</b><br>5019                    | <b>CloneNo.:</b><br>4K12  |
| <b>Source:</b><br>Rabbit                                       | <b>UNIPROT ID:</b><br>P55809                     | <b>Recommended Dilutions:</b><br>IF/ICC 1:50-1:500                |
| <b>Isotype:</b><br>IgG   | <b>Full Name:</b><br>3-oxoacid CoA transferase 1 | <b>Excitation/Emission maxima wavelengths:</b><br>493 nm / 522 nm |
| <b>Immunogen Catalog Number:</b><br>AG2818                     | <b>Calculated MW:</b><br>520 aa, 56 kDa          |   |
|  | <b>Observed MW:</b><br>56 kDa                    |   |

## Applications

|   |   |
|---|---|
| <b>Tested Applications:</b><br>IF/ICC, FC (Intra) | <b>Positive Controls:</b><br>IF/ICC : HeLa cells, MCF-7 cells |
| <b>Species Specificity:</b><br>human, mouse, rat  |   |

## 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)

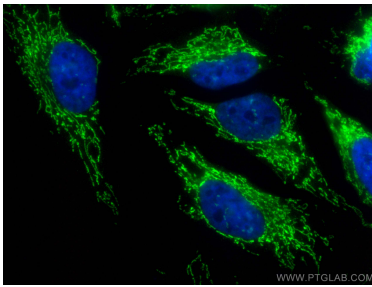
## Storage

**Storage:**  
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.  
**Aliquoting is unnecessary for -20°C storage**

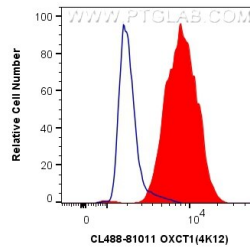
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
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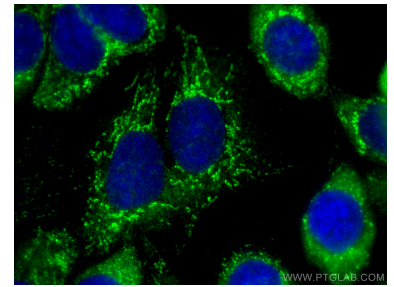
## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using Coralite® Plus 488 OXCT1 antibody (CL488-81011, Clone: 4K12 ) at dilution of 1:200.



1X10<sup>6</sup> MCF-7 cells were intracellularly stained with 0.8 ug Coralite® Plus 488 Anti-Human OXCT1 (CL488-81011, Clone:4K12) (red), or 0.8 ug Isotype Control. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Immunofluorescent analysis of (-20°C Methanol) fixed MCF-7 cells using Coralite® Plus 488 OXCT1 antibody (CL488-81011, Clone: 4K12 ) at dilution of 1:200.