

For Research Use Only

CoraLite® Plus 488-conjugated OXCT1 Recombinant antibody



Catalog Number:CL488-81011

Basic Information

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

Applications

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|---|---|
| Tested Applications: FC (Intra), IF/ICC | Positive Controls: IF : HeLa cells, |
| Species Specificity: 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:

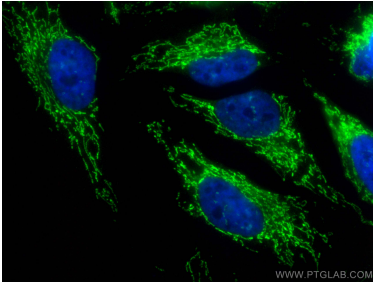
T: 4006900926

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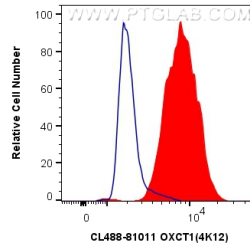
W: ptgcn.com

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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.



1X10⁶ 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).