

For Research Use Only

CoraLite® Plus 488-conjugated Aldolase C Monoclonal antibody

Catalog Number:CL488-66120



Basic Information

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| Catalog Number: CL488-66120 | GenBank Accession Number: BC003613 | Purification Method: Protein G purification |
| Concentration: 1000 ug/ml | GeneID (NCBI): 230 | CloneNo.: 5H7A5 |
| Source: Mouse | UNIPROT ID: P09972 | Recommended Dilutions: IF/ICC 1:50-1:500 |
| Isotype: IgG1 | Full Name: aldolase C, fructose-bisphosphate | Excitation/Emission maxima wavelengths: 493 nm / 522 nm |
| Immunogen Catalog Number: AG6779 | Calculated MW: 39 kDa | |
| | Observed MW: 39 kDa | |

Applications

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| Tested Applications: IF/ICC | Positive Controls: IF/ICC : HepG2 cells, |
| Species Specificity: human | |

Background Information

Fructose-bisphosphate aldolase C (ALDOC) reversibly cleaves FBP and F1-P to glyceraldehyde 3-phosphate and dihydroxyacetone phosphate and is strongly expressed in mammalian brain together with ALDOA and is also present in the heart and spleen of some species (PMID:9363598). It is involved in glycolysis as an important enzyme. Phospholipase D2 and inositol 1,4,5-triphosphate interact with ALDOC in signal transduction. Meanwhile, the protein expression of ALDOC has been reported to be regulated in brain tumor, hepatomas, and lung cancer (PMID:21548097).

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, pH7.3
Aliquoting is unnecessary for -20°C storage

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

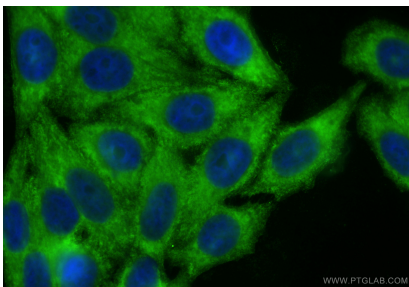
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol)
fixed HepG2 cells using CoraLite® Plus 488
Aldolase C antibody (CL488-66120, Clone: 5H7A5)
at dilution of 1:200.