

For Research Use Only

CoraLite®594-conjugated Aldolase C Monoclonal antibody



Catalog Number: **CL594-66120**

Basic Information

Catalog Number: CL594-66120	GenBank Accession Number: BC003613	CloneNo.: 5H7A5
Size: 1000 µg/ml	GeneID (NCBI): 230	Recommended Dilutions: IF 1:50-1:500
Source: Mouse	Full Name: aldolase C, fructose-bisphosphate	Excitation/Emission maxima wavelengths: 593 nm/614 nm
Isotype: IgG1	Calculated MW: 39 kDa	
Purification Method: Protein G purification	Observed MW: 39 kDa	
Immunogen Catalog Number: AG6779		

Applications

Tested Applications: IF	Positive Controls: IF : 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, pH 7.3.
Aliquoting is unnecessary for -20°C storage

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

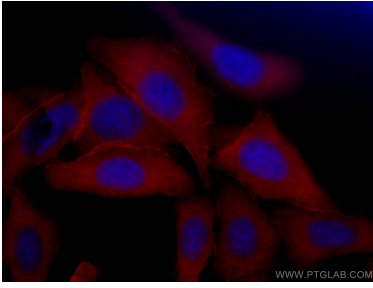
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Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using CoraLite®594-conjugated Aldolase C antibody (CL594-66120, Clone: 5H7A5) at dilution of 1:100.