

For Research Use Only

CoraLite® Plus 488-conjugated FBP2 Recombinant antibody

Catalog Number: CL488-83910-5



Basic Information

Catalog Number: CL488-83910-5	GenBank Accession Number: BC113632	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 8789	CloneNo.: 240879C9
Source: Rabbit	UNIPROT ID: O00757	Recommended Dilutions: IF-P 1:50-1:500
Isotype: IgG	Full Name: fructose-1,6-bisphosphatase 2	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Immunogen Catalog Number: AG18245	Calculated MW: 339 aa, 37 kDa	
	Observed MW: 37 kDa	

Applications

Tested Applications: IF-P	Positive Controls: IF-P : mouse skeletal muscle tissue,
Species Specificity: human, mouse, rat	

Background Information

FBP2, also named muscle FBP, belongs to the FBPase class 1 family. FBP2 is a ubiquitously expressed enzyme of glycogen synthesis from non-carbohydrates, e.g., lactate (glyconeogenesis). However, it also plays a variety of non-enzymatic functions. FBP2 is involved in the regulation of hypoxia-inducible factor 1 (Hif1) stability, cell cycle-dependent events, biogenesis of mitochondria, and protection of the organelles against high reactive oxygen species (ROS)- and high Ca²⁺-induced stress (PMID: 32962293, PMID: 35626746). The calculated molecular weight of FBP2 is 37 kDa.

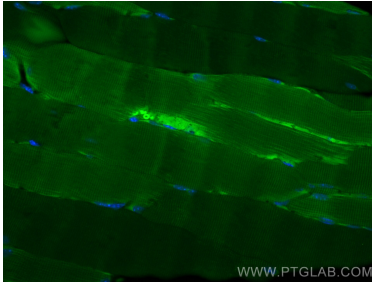
Storage

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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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 (4% PFA) fixed paraffin-embedded mouse skeletal muscle tissue using CoraLite® Plus 488 FBP2 antibody (CL488-83910-5, Clone: 240879C9) at dilution of 1:200. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).