

For Research Use Only

CoraLite® Plus 488-conjugated FBP2 Recombinant antibody

Catalog Number: CL488-83910-5



Basic Information

Catalog Number:

CL488-83910-5

Concentration:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG18245

GenBank Accession Number:

BC113632

GeneID (NCBI):

8789

UNIPROT ID:

O00757

Full Name:

fructose-1,6-bisphosphatase 2

Calculated MW:

339 aa, 37 kDa

Observed MW:

37 kDa

Purification Method:

Protein A purification

CloneNo.:

240879C9

Recommended Dilutions:

IF-P 1:50-1:500

Excitation/Emission maxima
wavelengths:

493 nm / 522 nm

Applications

Tested Applications:

IF-P

Species Specificity:

human, mouse, rat

Positive Controls:

IF-P: mouse skeletal muscle tissue,

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:

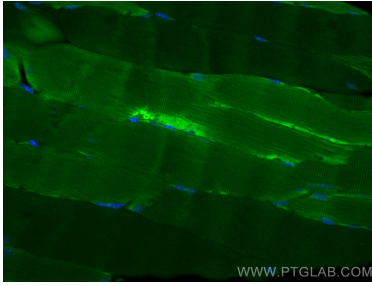
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.com

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).