

For Research Use Only

CoraLite® Plus 488-conjugated PFKM Polyclonal antibody

Catalog Number: CL488-55028

Featured Product



Basic Information

Catalog Number:

CL488-55028

Size:

1000 ug/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_000289

GeneID (NCBI):

5213

UNIPROT ID:

P08237

Full Name:

phosphofructokinase, muscle

Calculated MW:

85 kDa

Observed MW:

75-85 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

IF/ICC 1:50-1:500

Excitation/Emission maxima wavelengths:

493 nm / 522 nm

Applications

Tested Applications:

IF/ICC, FC (Intra)

Species Specificity:

human, mouse, rat

Positive Controls:

IF/ICC : HeLa cells,

Background Information

PFKM, also named as GSD7, PFK-1, PFK-M and PFKX, belongs to the phosphofructokinase family and two domains subfamily. PFKM catalyzes the reaction: $\text{ATP} + \text{D-fructose 6-phosphate} = \text{ADP} + \text{D-fructose 1,6-bisphosphate}$. It is a key regulatory enzyme in glycolysis. Defects in PFKM are the cause of glycogen storage disease type 7 (GSD7). PFKM has three isoforms with molecular masses of 85, 82 and 93 kDa. The antibody is specific to PFKM.

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:

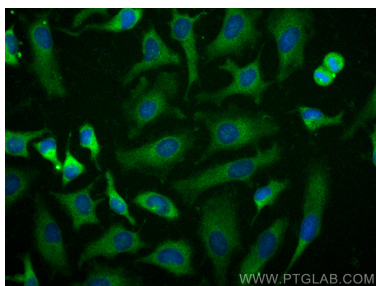
T: 4006900926

E: Proteintech-CN@ptglab.com

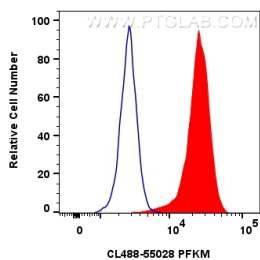
W: ptgcn.com

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Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using Coralite® Plus 488 PFKM antibody (CL488-55028) at dilution of 1:200.



1x10⁶ HeLa cells were intracellularly stained with 0.8 ug Coralite® Plus 488 PFKM Polyclonal Antibody (CL488-55028)(red), or 0.8 ug Coralite® Plus 488-conjugated Rabbit IgG control Rabbit PolyAb (CL488-30000) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).