

For Research Use Only

CoraLite® Plus 594-conjugated PGAM1 Monoclonal antibody



Catalog Number: CL594-67470

Featured Product

Basic Information

Catalog Number:

CL594-67470

Size:

1000 µg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG9250

GenBank Accession Number:

BC011678

GeneID (NCBI):

5223

UNIPROT ID:

P18669

Full Name:

phosphoglycerate mutase 1 (brain)

Calculated MW:

254 aa, 29 kDa

Observed MW:

29 kDa

Purification Method:

Protein G purification

CloneNo.:

2H2A9

Recommended Dilutions:

IF 1:50-1:500

Excitation/Emission maxima

wavelengths:

594 nm / 615 nm

Applications

Tested Applications:

IF/ICC

Species Specificity:

Human, Mouse, Rat

Positive Controls:

IF : HepG2 cells,

Background Information

PGAM1(phosphoglycerate mutase 1) is also named as PGAMA,PGAM-B and belongs to the phosphoglycerate mutase family. Phosphoglycerate mutase is widely distributed in mammalian tissues where it catalyzes the reversible reaction of 3-phosphoglycerate (3-PGA) to 2-phosphoglycerate (2-PGA) in the glycolytic pathway. The homodimer PGAM1 is expressed mainly in liver, kidney, brain and overexpressed in a variety of human cancers, including breast carcinoma, colorectal cancer, lung cancer, prostate cancer, oral squamous cell carcinoma, esophageal squamous cell carcinomas and also associated with certain virus infection. PGAM1 could be developed as a useful diagnostic biomarker, as well as a potential therapeutic target for hepatocellular carcinoma (PMID:20403181). This antibody may also recognize PGAM2 and PGAM4 due to the high homology.

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:

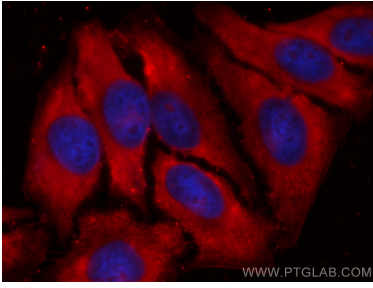
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using CoraLite® Plus 594 PGAM1 antibody (CL594-67470, Clone: 2H2A9) at dilution of 1:200.