

For Research Use Only

# CoraLite® Plus 594-conjugated PGAM1 Monoclonal antibody



Catalog Number: CL594-67470

Featured Product

## Basic Information

<b>Catalog Number:</b> CL594-67470	<b>GenBank Accession Number:</b> BC011678	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 5223	<b>CloneNo.:</b> 2H2A9
<b>Source:</b> Mouse	<b>Full Name:</b> phosphoglycerate mutase 1 (brain)	<b>Recommended Dilutions:</b> IF 1:50-1:500
<b>Isotype:</b> IgG1	<b>Calculated MW:</b> 254 aa, 29 kDa	<b>Excitation/Emission maxima wavelengths:</b> 594 nm / 615 nm
<b>Immunogen Catalog Number:</b> AG9250	<b>Observed MW:</b> 29 kDa	

## Applications

<b>Tested Applications:</b> IF	<b>Positive Controls:</b> IF : HepG2 cells,
<b>Species Specificity:</b> Human, Mouse, Rat	

## 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

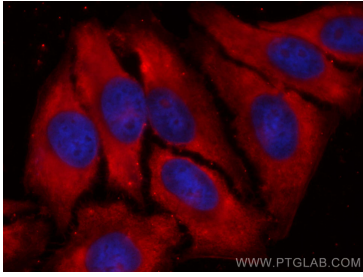
**Storage:**  
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

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)  
E: proteintech@ptglab.com  
W: ptglab.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 (-20°C Ethanol) fixed HepG2 cells using CoraLite® Plus 594 PGAM1 antibody (CL594-67470, Clone: 2H2A9) at dilution of 1:200.