À des fins de recherche uniquement

Anticorps Polyclonal de lapin anti-PGM1

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Antibodies | ELISA kits | Proteins
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Numéro de catalogue:15161-1-AP Phare 14 Publications

Informations de base

Numéro de catalogue:
15161-1-AP

Taille:
150ul , Concentration: 450 μg/ml by Nanodrop and 393 μg/ml by Bradford method using BSA as the standard;

Hôte:
Lapin

Isotype:
IgG

Immunogen Catalog Number:
AG7269

Numéro d'acquisition GenBank:
BC001756

Identification du gène (NCBI):
5236

Nom complet:
phosphoglucomutase 1

MW calculé
61 kDa

MW observés:
61 kDa

Méthode de purification:
Purification par affinité contre l'antigène

Dilutions recommandées:
WB 1:2000-1:16000
IP 0.5-4.0 ug for IP and 1:500-1:2000 for WB
IHC 1:400-1:1600
IF 1:20-1:200

Applications

Applications testées:
FC, IF, IHC, IP, WB, ELISA

Demandes citées:
IF, IHC, WB

Spécificité de l'espèce:
Humain, rat, souris

Espèces citées:
Humain, rat, souris

Remarque-IHC: il est suggéré de démasquer l'antigène avec un tampon de TE buffer pH 9.0; (*) À défaut, 'le démasquage de l'antigène peut être 'effectué avec un tampon citrate pH 6,0.

Contrôles positifs:

WB : cellules HeLa, cellules HEK-293, cellules Jurkat, tissu cardiaque de rat, tissu cardiaque de souris, tissu cutané de souris

IP : tissu cutané de souris,

IHC : tissu de cirrhose hépatique humain, tissu testiculaire humain

IF : cellules HepG2,

Informations générales

PGM1(Phosphoglucomutase-1) is also named as glucose phosphomutase 1 and belongs to the phosphohexose mutase family. It catalyzes the transfer of phosphate between the 1 and 6 positions of glucose. In most cell types, PGM1 isozymes predominate, representing about 90% of total PGM activity. One exception is red cells, where PGM2 is a major isozyme(PMID:8257433). Defects in PGM1 are the cause of glycogen storage disease type 14 (GSD14) (PMID:19625727). It has 2 isoforms produced by alternative splicing.

Publications notables

Autrice	Pubmed ID	Journal	Application
Scott P Allen	31647549	Brain	WB
Zhewen Zheng	35614441	Cancer Cell Int	IHC
Xintian Chen	33794309	Cancer Lett	WB

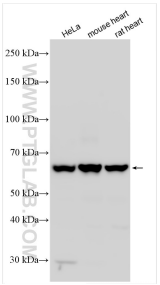
Stockage

Stockage:
Stocker à -20°C. Stable pendant un an après l'expédition.
Tampon de stockage:
PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3
L'aliquotage n'est pas nécessaire pour le stockage à -20C

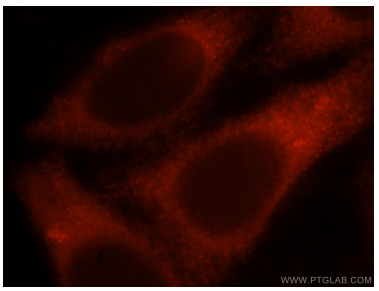
*** Les 20ul contiennent 0,1% de BSA.

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

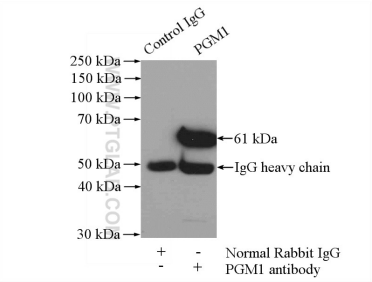
Données de validation sélectionnées



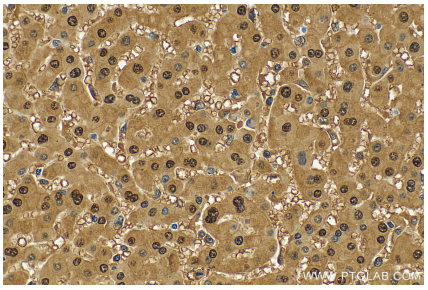
Various lysates were subjected to SDS PAGE followed by western blot with 15161-1-AP (PGM1 antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.



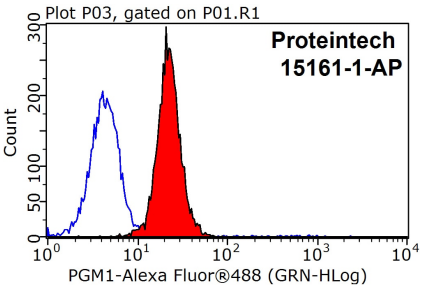
Immunofluorescent analysis of HepG2 cells, using PGM1 antibody 15161-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red).



IP Result of anti-PGM1 (IP:15161-1-AP, 4ug; Detection:15161-1-AP 1:1000) with mouse skin tissue lysate 3200ug.



Immunohistochemical analysis of paraffin-embedded human hepatocirrhosis tissue slide using 15161-1-AP (PGM1 antibody) at dilution of 1:800 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



1X10^6 HepG2 cells were stained with 0.2ug PGM1 antibody (15161-1-AP, red) and control antibody (blue). Fixed with 90% MeOH blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1500.