À des fins de recherche uniquement

Anticorps Monoclonal anti-PGAM1

Numéro de catalogue:67470-1-Ig Phare 2 Publications

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Antibodies | ELISA kits | Proteins
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Informations de base

Numéro de catalogue:
67470-1-Ig

Taille:
150ul , Concentration: 500 μg/ml by Bradford method using BSA as the standard;

Hôte:
Mouse

Isotype:
IgG1

Immunogen Catalog Number:
AG9250

Numéro d'acquisition GenBank:
BC011678

Identification du gène (NCBI):
5223

Nom complet:
phosphoglycerate mutase 1 (brain)

MW calculé
254 aa, 29 kDa

MW observés:
29 kDa

Méthode de purification:
Purification par protéine G

CloneNo.:
2H2A9

Dilutions recommandées:
WB 1:5000-1:50000
IHC 1:200-1:1000
IF 1:400-1:1600

Applications

Applications testées:
IF, IHC, WB, ELISA

Demandes citées:
IF, IHC, WB

Spécificité de l'espèce:
Humain, rat, souris

Espèces citées:
Humain, 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 U2OS, cellules 4T1, cellules A549, cellules HEK-293, cellules HeLa, cellules HepG2, cellules HSC-T6, cellules Jurkat, cellules K-562, cellules LNCaP, cellules NIH/3T3

IHC : tissu de cancer du foie humain,

IF : cellules HepG2,

Informations générales

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.

Publications notables

Autrice	Pubmed ID	Journal	Application
Wei Zhang	34689761	J Nanobiotechnology	WB,IHC
Xinlu Liu	29386088	Oncol Res	IF

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
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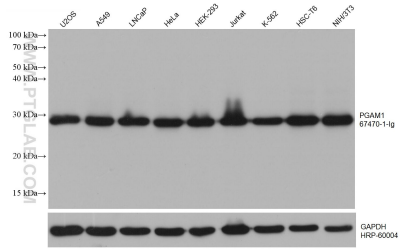
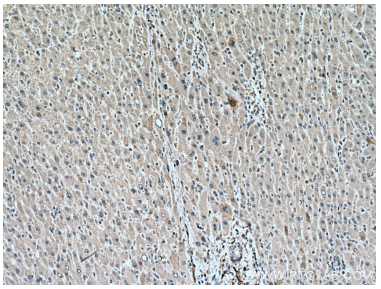
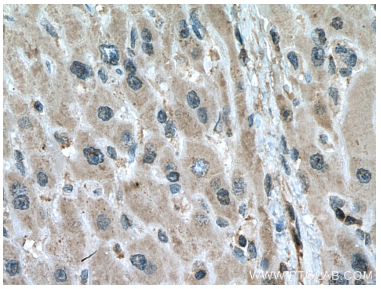
Données de validation sélectionnées



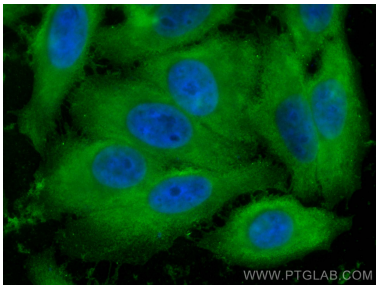
U2OS cells were subjected to SDS PAGE followed by western blot with 67470-1-Ig (PGAM1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 67470-1-Ig (PGAM1 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 67470-1-Ig (PGAM1 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using PGAM1 antibody (67470-1-Ig, Clone: 2H2A9) at dilution of 1:800 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).