

À des fins de recherche uniquement

# Anticorps Monoclonal anti-PGAM5

Numéro de catalogue: 68116-1-Ig



## Informations de base

Numéro de catalogue: 68116-1-Ig	Numéro d'acquisition GenBank: BC008196	Méthode de purification: Purification par protéine G
Taille: 150ul , Concentration: 1000 µg/ml by Nanodrop;	Identification du gène (NCBI): 192111	CloneNo.: 1C8B9
Hôte: Mouse	Nom complet: phosphoglycerate mutase family member 5	Dilutions recommandées: WB 1:5000-1:50000 IHC 1:1000-1:4000
Isotype: IgG1	MW calculé 32 kDa	
Immunogen Catalog Number: AG28195	MW observés: 32 kDa	

## Applications

### Applications testées:

IHC, WB, ELISA

### Spécificité de l'espèce:

Humain, Lapin, porc, 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 LNCaP, cellules HeLa, cellules HepG2, cellules HSC-T6, cellules Jurkat, cellules K-562, cellules NIH/3T3, tissu cérébral de lapin, tissu cérébral de porc

IHC : tissu de cancer du foie humain, tissu de cancer du poumon humain

## Informations générales

Phosphoglycerate mutase 5 (PGAM5) is a mitochondrial Serine (Ser)/Threonine (Thr) phosphatase normally located in the inner mitochondrial membrane. Upon mitochondrial dysfunction, PGAM5 recruits and dephosphorylates Drp1 at Ser-637, triggers its GTPase activity and promotes mitochondrial fission. PGAM5 regulates mitophagy by stabilizing PINK1 under stress conditions, which recruits E3 ubiquitin ligase PARKIN for degradation of the damaged mitochondria. PGAM5 can be cleaved and released to the cytoplasm through PARKIN, which activates Wnt signaling and induces mitochondrial biogenesis (PMID: 32439975). PGAM5 has 2 isoforms with the molecular mass of 28 and 32 kDa.

## 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.

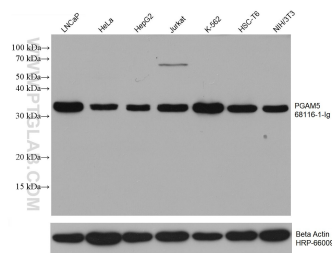
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free  
in USA), or 1(312) 455-8498 (outside USA)

E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

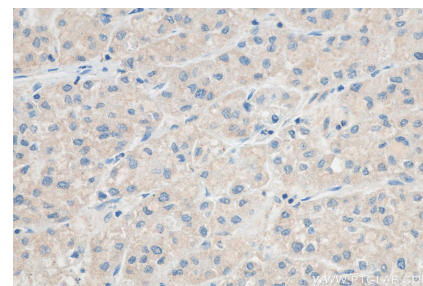
## Données de validation sélectionnées



Various lysates were subjected to SDS PAGE followed by western blot with 68116-1-g (PGAM5 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Beta Actin Monoclonal antibody (HRP-66009) as loading control.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 68116-1-g (PGAM5 antibody) at dilution of 1:2000 (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 68116-1-g (PGAM5 antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).