

À des fins de recherche uniquement

# Anticorps Polyclonal de lapin anti-GPI



Numéro de catalogue: 15171-1-AP

Phare

20 Publications

## Informations de base

<b>Numéro de catalogue:</b> 15171-1-AP	<b>Numéro d'acquisition GenBank:</b> BC004982	<b>Méthode de purification:</b> Purification par affinité contre l'antigène
<b>Taille:</b> 150ul , Concentration: 600 µg/ml by Nanodrop and 220 µg/ml by Bradford method using BSA as the standard;	<b>Identification du gène (NCBI):</b> 2821	<b>Dilutions recommandées:</b> WB 1:500-1:2000 IHC 1:100-1:400 IF 1:50-1:500
<b>Hôte:</b> Lapin	<b>Nom complet:</b> glucose phosphate isomerase	
<b>Isotype:</b> IgG	<b>MW calculé</b> 63 kDa	
<b>Immunogen Catalog Number:</b> AG7423	<b>MW observés:</b> 55-64 kDa	

## Applications

### Applications testées:

IF, IHC, WB, ELISA

### Demandes citées:

IF, IHC, WB

### Spécificité de l'espèce:

Humain, rat, souris

### Espèces citées:

Humain, porc, rat, souris

**Remarque-IHC: il est suggéré de démasquer l'antigène avec un tampon de TE buffer pH 9,0; (\*) A défaut, 'le démasquage de l'antigène peut être effectué avec un tampon citrate pH 6,0.**

### Contrôles positifs:

WB : cellules HeLa, cellules PC3, cellules PC-3, cellules U251, cellules U87-MG

IHC : tissu de cancer du poumon humain,

IF : cellules PC-3,

## Informations générales

GPI (Glucose-6-phosphate isomerase), which is also named as autocrine motility factor (AMF), phosphoglucose isomerase (PGI), Neuroleukinin (NLK), phosphohexose isomerase (PHI) or sperm antigen 36 (SA-36), is a housekeeping cytosolic enzyme that plays a key role in both glycolysis and gluconeogenesis pathways. It is also a multifunctional protein that displays cytokine properties, eliciting mitogenic, motogenic, and differentiation activities, and has been implicated in tumor progression and metastasis (PMID:12783864, 19603112). This protein can exist as a homodimer in the catalytically active form and a monomer in the secreted form (PMID:11371164). It has 2 isoforms produced by alternative splicing with the calculated molecular mass of 63-64kDa, and an apparent molecular mass of 55 and 64 kDa under non-reducing and reducing conditions, respectively (PMID: 19603112, 11004567).

## Publications notables

Autrice	Pubmed ID	Journal	Application
Xixi Guo	31480692	Biomolecules	WB
Rongkun Li	34836938	Cell Death Dis	WB
Zhiyong Zhang	36384075	Int Immunopharmacol	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.

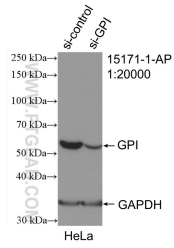
For technical support and original validation data for this product please contact:

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

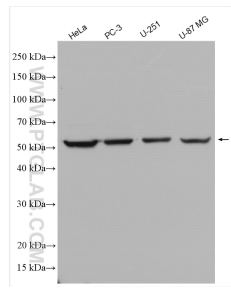
E: proteintech@ptglab.com  
W: ptglab.com

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

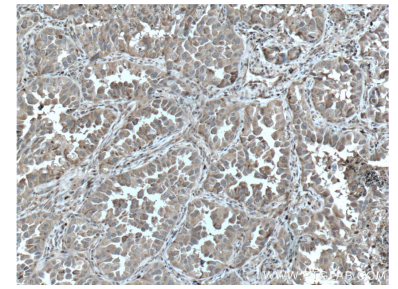
## Données de validation sélectionnées



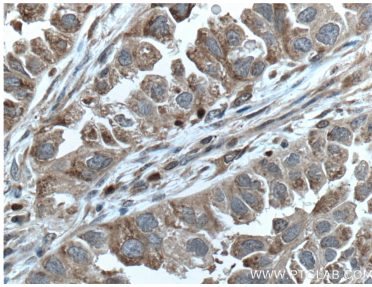
WB result of GPI antibody (15171-1-AP; 1:20000; incubated at room temperature for 1.5 hours) with sh-Control and sh-GPI transfected HeLa cells.



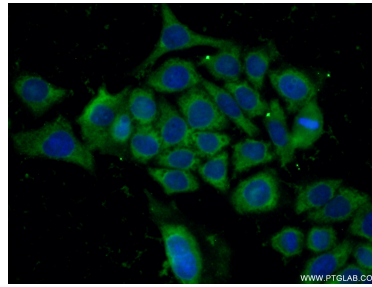
Various lysates were subjected to SDS PAGE followed by western blot with 15171-1-AP (GPI antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 15171-1-AP (GPI Antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 15171-1-AP (GPI Antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed PC-3 cells using 15171-1-AP (GPI antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).