

À des fins de recherche uniquement

# Anticorps Polyclonal de lapin anti-PFKFB4



Numéro de catalogue: 29902-1-AP

## Informations de base

|                           |                                               |                                |                                                        |                          |                                                      |
|---------------------------|-----------------------------------------------|--------------------------------|--------------------------------------------------------|--------------------------|------------------------------------------------------|
| Numéro de catalogue:      | 29902-1-AP                                    | Numéro d'acquisition GenBank:  | NM_001317134                                           | Méthode de purification: | Purification par affinité contre l'antigène          |
| Taille:                   | 150ul, Concentration: 1000 µg/ml by Nanodrop; | Identification du gène (NCBI): | 5210                                                   | Dilutions recommandées:  | WB 1:1000-1:4000<br>IHC 1:50-1:500<br>IF 1:200-1:800 |
| Hôte:                     | Lapin                                         | Nom complet:                   | 6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase 4 |                          |                                                      |
| Isotype:                  | IgG                                           | MW calculé                     | 54 kDa                                                 |                          |                                                      |
| Immunogen Catalog Number: | AG30571                                       | MW observés:                   | 54 kDa                                                 |                          |                                                      |

## Applications

|                                                                                                                                                                                               |                    |                     |                                                        |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|---------------------|--------------------------------------------------------|
| Applications testées:                                                                                                                                                                         | IF, IHC, WB, ELISA | Contrôles positifs: | WB : cellules MDA-MB-231, cellules PC-3, cellules Raji |
| Spécificité de l'espèce:                                                                                                                                                                      | Humain, souris     | IHC :               | tissu rénal humain, tissu testiculaire de souris       |
|                                                                                                                                                                                               |                    | IF :                | cellules HUVEC,                                        |
| <b>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.</b> |                    |                     |                                                        |

## Informations générales

PFKFB4 (6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase 4), is a bi-function enzyme. On one hand, PFKFB4 synthesizes fructose 2,6-bisphosphate (F2,6-BP) to stimulate glycolysis, playing important roles in metabolic processes. On the other hand, PFKFB4 acts as a phosphatase to hydrolyze F2,6-BP into fructose-6-phosphate (F6P) and inorganic phosphate (Pi), functioning as a protein kinase to phosphorylate protein substrates. The dual function of PFKFB4 makes it involved in multiple biological processes such as cell cycle regulation, cell proliferation and transcriptional regulation(PMID: 33593309). PFKFB4 has been reported to be involved in a variety of cancers including human bladder cancer, gastric cancer, colon cancer, breast cancer and other malignant tumors(PMID: 21396842, PMID: 33732372, PMID: 31244553).

## Stockage

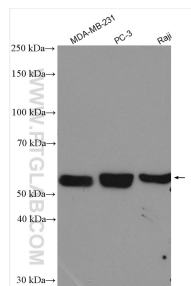
Stockage:  
Stocker à -20°C. Stable pendant un an après l'expédition.  
Tampon de stockage:  
PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3  
L'aliquotage n'est pas nécessaire pour le stockage à -20C

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

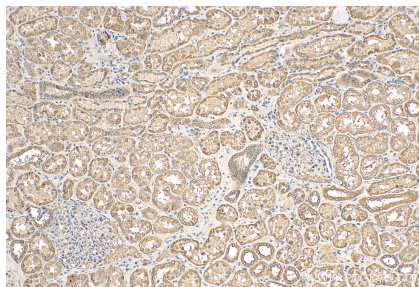
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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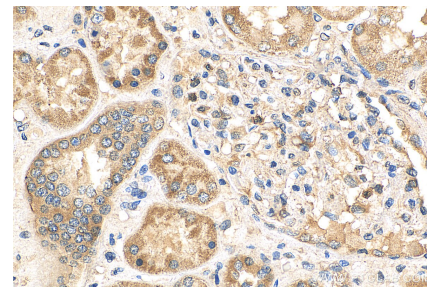
## Données de validation sélectionnées



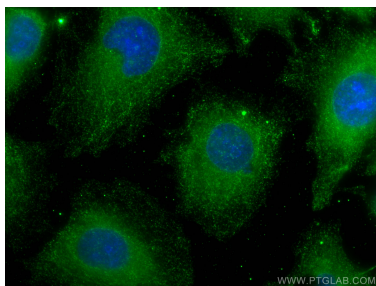
Various lysates were subjected to SDS PAGE followed by western blot with 29902-1-AP (PFKFB4 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 29902-1-AP (PFKFB4 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 kidney tissue slide using 29902-1-AP (PFKFB4 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 Methanol) fixed HUVEC cells using PFKFB4 antibody (29902-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).