

À des fins de recherche uniquement

# Anticorps Monoclonal anti-Hexokinase 2



Numéro de catalogue: 66974-1-Ig **24 Publications**

## Informations de base

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|--|--|--|
| Numéro de catalogue:<br>66974-1-Ig   | Numéro d'acquisition GenBank:<br>BC021116      | Méthode de purification:<br>Purification par protéine G          |
| Taille:<br>150ul, Concentration: 2200 µg/ml by Nanodrop and 1000 µg/ml by Bradford method using BSA as the standard; | Identification du gène (NCBI):<br>hexokinase 2 | CloneNo.:<br>2A11C3  |
| Hôte:<br>Mouse   | Nom complet:<br>hexokinase 2                   | Dilutions recommandées:<br>WB 1:5000-1:20000<br>IHC 1:250-1:1000 |
| Isotype:<br>IgG1   | MW calculé:<br>102 kDa                         |  |
| Immunogen Catalog Number:<br>AG16895   | MW observés:<br>102 kDa                        |  |

## Applications

### Applications testées:

IHC, WB, ELISA

### Demandes citées:

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 HEK-293, cellules 4T1, cellules HeLa, cellules HepG2, cellules Jurkat, cellules K-562, cellules LNCaP, cellules NIH/3T3

IHC : tissu de muscle squelettique de souris,

## Informations générales

Hexokinase 2 (HK2), a rate-limiting enzyme in the first step of glycolysis pathway, expresses at high level in cancer cells compared with normal cells. HK2 provides a new target for cancer therapy due to its pivotal role in tumor tumorigenic and metastatic process. HK1 is constitutively expressed in most mammalian adult tissues. HK2, however, although is abundantly expressed in embryonic tissues, is expressed at high levels only in limited number of adult tissues such as adipose, skeletal, and cardiac muscles. (PMID: 29305912, PMID: 28427443, PMID: 23911236). The antibody also recognizes Hexokinase 1.

## Publications notables

| Autrice     | Pubmed ID | Journal        | Application |
|-------------|-----------|----------------|-------------|
| Mengyuan Li | 34558014  | Virol Sin      | WB          |
| Yanling Gou | 36069580  | Immunology     | IHC         |
| Yubo Zhao   | 36064939  | Cell Death Dis | 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.

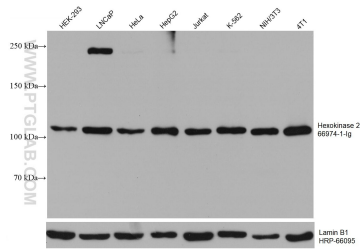
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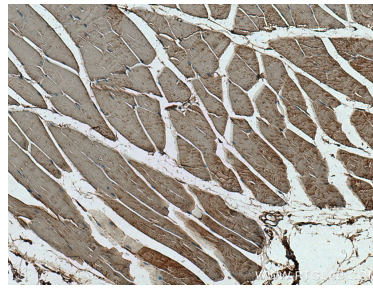
E: proteintech@ptglab.com  
W: ptglab.com

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## Données de validation sélectionnées



Various lysates were subjected to SDS PAGE followed by western blot with 66974-1-g (Hexokinase 2 antibody) at dilution of 1:15000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Lamin B1 Monoclonal antibody (HRP-66095) as loading control.



Immunohistochemical analysis of paraffin-embedded mouse skeletal muscle tissue slide using 66974-1-g (Hexokinase 2 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).