

À des fins de recherche uniquement

# Anticorps Monoclonal anti-PKM2-specific



Numéro de catalogue: **CL488-60268**

Phare

1 Publications

## Informations de base

|  |  |   |
|--|--|---|
| <b>Numéro de catalogue:</b><br>CL488-60268                       | <b>Numéro d'acquisition GenBank:</b><br>NM_002654  | <b>Méthode de purification:</b><br>Purification par protéine G    |
| <b>Taille:</b><br>100ul , Concentration: 1000 µg/ml by Nanodrop; | <b>Identification du gène (NCBI):</b><br>5315      | <b>CloneNo.:</b><br>1C11C7  |
| <b>Hôte:</b><br>Mouse  | <b>Nom complet:</b><br>PKM pyruvate kinase, muscle | <b>Dilutions recommandées:</b><br>IF 1:50-1:500                   |
| <b>Isotype:</b><br>IgG1  | <b>MW calculé:</b><br>58 kDa                       | <b>Excitation/Emission maxima wavelenghts:</b><br>493 nm / 522 nm |
|  | <b>MW observés:</b><br>58 kDa                      |   |

## Applications

**Applications testées:**  
FC (Intra), IF

**Demandes citées:**  
IF

**Spécificité de l'espèce:**  
Humain, rat, souris

**Espèces citées:**  
souris

**Contrôles positifs:**

IF : cellules L02, cellules HepG2

## Informations générales

PKM, also named as OIP3, PK2, PK3, PKM, p58, THBP1, CTHBP and Tumor M2-PK, belongs to the pyruvate kinase family. It is glycolytic enzyme that catalyzes the transfer of a phosphoryl group from phosphoenolpyruvate (PEP) to ADP, generating ATP. It stimulates POU5F1-mediated transcriptional activation. PKM plays a general role in caspase independent cell death of tumor cells. PKM has 2 isoforms named as PKM1/M2. The activity of the M2 isoform can be inhibited by tyrosine kinase signalling in tumour cells. The primary pyruvate kinase isoform before tumour development is PK-M1; however, the primary isoform from four independent tumours is PK-M2 (PMID:18337823). The immunogen of this antibody is M2 isoform and this antibody is specific to PKM2 isoform.

## Publications notables

| Autrice        | Pubmed ID | Journal          | Application |
|----------------|-----------|------------------|-------------|
| Khrystyna Sych | 36633604  | J Mol Med (Berl) | IF          |

## Stockage

**Stockage:**

Stocker à -20 °C. Éviter toute exposition à la lumière. Stable pendant un an après l'expédition.

**Tampon de stockage:**

PBS avec glycérol à 50 %, Proclin300 à 0,05 % et BSA à 0,5 %, pH 7,3.

L'aliquotage n'est pas nécessaire pour le stockage à -20C

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

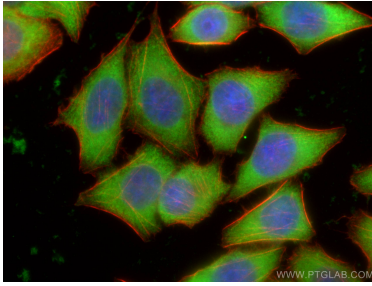
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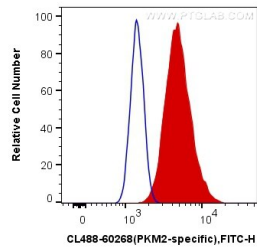
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## Données de validation sélectionnées



Immunofluorescent analysis of (-20°C Ethanol) fixed L02 cells using CoraLite® Plus 488-conjugated PKM2-specific antibody (CL488-60268, Clone: 1C11C7) at dilution of 1:100, CL594-Phalloidin (red).



1X10<sup>6</sup> HeLa cells were intracellularly stained with 0.4 ug CoraLite® Plus 488 Anti-Human PKM2-specific (CL488-60268, Clone:1C11C7) (red), or 0.4 ug Mouse IgG1 Isotype Control (CL488-66360, Clone: T1F8D3F10) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).