

À des fins de recherche uniquement

# Anticorps Monoclonal anti-RRM1

Numéro de catalogue: **CL488-60073**



## Informations de base

|                                                              |                                             |                                                               |
|--------------------------------------------------------------|---------------------------------------------|---------------------------------------------------------------|
| Numéro de catalogue:<br>CL488-60073                          | Numéro d'acquisition GenBank:<br>BC006498   | Méthode de purification:<br>Purification par protéine A       |
| Taille:<br>100ul , Concentration: 1000 µg/ml by<br>Nanodrop; | Identification du gène (NCBI):<br>6240      | CloneNo.:<br>5H6F3                                            |
| Hôte:<br>Mouse                                               | Nom complet:<br>ribonucleotide reductase M1 | Dilutions recommandées:<br>IF 1:50-1:500                      |
| Isotype:<br>IgG2b                                            | MW calculé<br>90 kDa                        | Excitation/Emission maxima<br>wavelengths:<br>493 nm / 522 nm |
| Immunogen Catalog Number:<br>AG0789                          | MW observés:<br>90 kDa                      |                                                               |

## Applications

|                                         |                                                                            |
|-----------------------------------------|----------------------------------------------------------------------------|
| Applications testées:<br>FC (Intra), IF | Contrôles positifs:<br>IF : cellules HepG2, tissu de cancer du sein humain |
| Spécificité de l'espèce:<br>Humain      |                                                                            |

## Informations générales

Ribonucleoside-diphosphate reductase functions as a heterodimer of a large and a small subunits in deoxyribonucleotide synthesis. RRM1 constitutes to the large subunit (R1) of ribonucleotide reductase, and it can either form heterodimer with small subunit RRM or RRM2B(PMID:16376858). RRM1 provides the precursors necessary for DNA synthesis. RRM1 can not be detected in quiescent cells, while its mRNA and protein are present throughout the cell cycle in cycling cells(PMID:8188248). Researches showed that RRM1 is involved in carcinogenesis, tumor progression, and the resistance of non-small-cell lung cancer (NSCLC) to treatment. Low level expression of RRM1 in NSCLC is associated with poor survival(PMID:17314339).

## Stockage

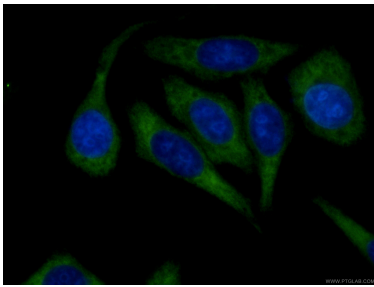
Stockage:  
Stocker à -20 °C. Éviter toute exposition à la lumière. Stable pendant un an après l'expédition.  
Tampon de stockage:  
PBS avec glycérol à 50 %, Proclin300 à 0,05 % et BSA à 0,5 %, pH 7,3.  
L'aliquoteur n'est pas nécessaire pour le stockage à -20C

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

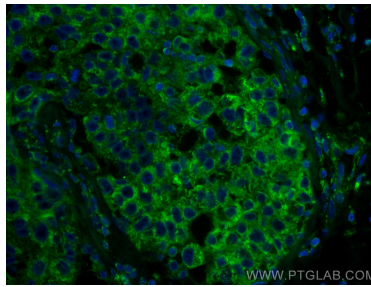
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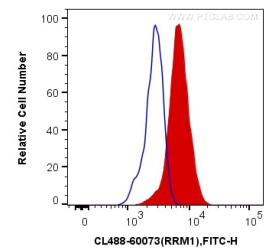
## Données de validation sélectionnées



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using CL488-60073 (RRM1 antibody) at dilution of 1:100.



Immunofluorescent analysis of (4% PFA) fixed human breast cancer tissue using CoraLite® Plus 488 RRM1 antibody (CL488-60073, Clone: 5H6F3) at dilution of 1:200.



1X10<sup>6</sup> HepG2 cells were intracellularly stained with 0.4 ug CoraLite® Plus 488 Anti-Human RRM1 (CL488-60073, Clone:5H6F3) (red), or 0.4 ug Mouse IgG2b Isotype Control (CL488-66360-3, Clone: K11B8C4B5) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).