

À des fins de recherche uniquement

# Anticorps Monoclonal anti-MFN2

Numéro de catalogue: **CL488-67487** **Phare**



## Informations de base

Numéro de catalogue: CL488-67487	Numéro d'acquisition GenBank: BC017061	Méthode de purification: Purification par protéine A
Taille: 100ul , Concentration: 1000 µg/ml by Nanodrop;	Identification du gène (NCBI): 9927	CloneNo.: 5F3B3
Hôte: Mouse	Nom complet: mitofusin 2	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Isotype: IgG2a	MW calculé 757 aa, 86 kDa	
Immunogen Catalog Number: AG29873	MW observés: 86 kDa	

## Applications

Applications testées:  
FC (Intra)

Spécificité de l'espèce:  
Humain, rat, souris

## Informations générales

MFN2, also named as CPRP1 and KIAA0214, belongs to the mitofusin family. It is an Essential transmembrane GTPase, which mediates mitochondrial fusion. MFN2 acts independently of the cytoskeleton. It therefore plays a central role in mitochondrial metabolism and may be associated with obesity and/or apoptosis processes. Overexpression of MFN2 induces the formation of mitochondrial networks. It plays an important role in the regulation of vascular smooth muscle cell proliferation. Defects in MFN2 are the cause of Charcot-Marie-Tooth disease type 2A2 (CMT2A2). Defects in MFN2 are the cause of Charcot-Marie-Tooth disease type 6 (CMT6). Ubiquitinated forms of Mfn2 (mono- and polyubiquitinated) are present during mitophagy.

## Stockage

Stockage:  
Stocker à -20 °C. Éviter toute exposition à la lumière.

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.**

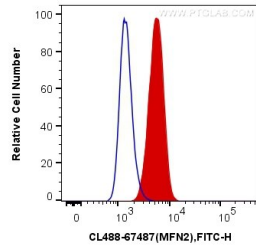
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## Données de validation sélectionnées



1X10<sup>6</sup> HepG2 cells were intracellularly stained with 0.4 ug CoraLite® Plus 488 Anti-Human MFN2 (CL488-67487, Clone:5F3B3) (red), or 0.4 ug Mouse IgG2a Isotype Control (CL488-66360-2, Clone: K11A1B2A2) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).