À des fins de recherche uniquement

Anticorps Monoclonal anti-MFN2

Numéro de catalogue:67487-1-Ig Phare 10 Publications

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Antibodies | ELISA kits | Proteins
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Informations de base

Numéro de catalogue:
67487-1-Ig

Taille:
150ul , Concentration: 1500 μg/ml by Nanodrop;

Hôte:
Mouse

Isotype:
IgG2a

Immunogen Catalog Number:
AG29873

Numéro d'acquisition GenBank:
BC017061

Identification du gène (NCBI):
9927

Nom complet:
mitofusin 2

MW calculé
757 aa, 86 kDa

MW observés:
86 kDa

Méthode de purification:
Purification par protéine A

CloneNo.:
5F3B3

Dilutions recommandées:
WB 1:5000-1:50000
IHC 1:1000-1:4000
IF 1:400-1:1600

Applications

Applications testées:
IF, IHC, WB, ELISA

Demandes citées:
IHC, WB

Spécificité de l'espèce:
Humain, rat, souris

Espèces citées:
Humain, rat, souris, fish

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.

Contrôles positifs:

WB : cellules HEK-293, cellules HeLa, cellules HepG2, cellules HSC-T6, cellules Jurkat, cellules K-562, cellules LNCaP

IHC : tissu cardiaque humain,

IF : cellules HepG2,

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.

Publications notables

Autrice	Pubmed ID	Journal	Application
Yujie Zhong	36501024	Nutrients	WB,IHC
Zhanglin Chen	34749643	J Physiol Sci	WB
Jiling Feng	34065886	Molecules	WB

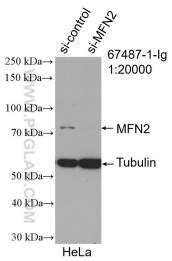
Stockage

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

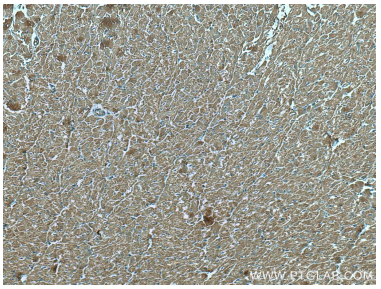
***** Les 20ul contiennent 0,1% de BSA.**

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
W: ptglab.com

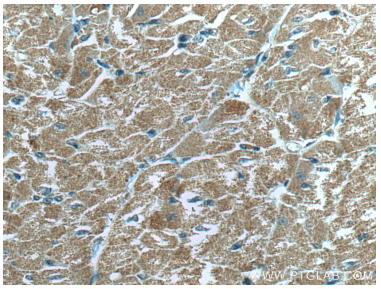
Données de validation sélectionnées



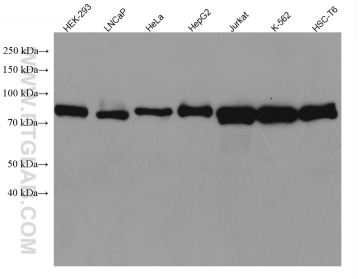
WB result of MFN2 antibody (67487-1-Ig; 1:20000; incubated at room temperature for 1.5 hours) with sh-Control and sh-MFN2 transfected HeLa cells.



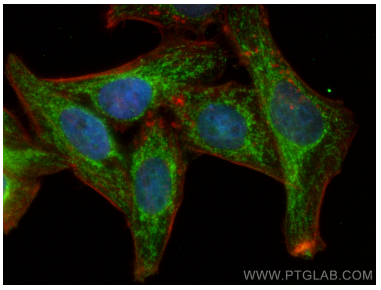
Immunohistochemical analysis of paraffin-embedded human heart tissue slide using 67487-1-Ig (MFN2 antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human heart tissue slide using 67487-1-Ig (MFN2 antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Various lysates were subjected to SDS PAGE followed by western blot with 67487-1-Ig (MFN2 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using MFN2 antibody (67487-1-Ig, Clone: 5F3B3) at dilution of 1:800 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L), CL594-Phalloidin (red).