À des fins de recherche uniquement

Anticorps Polyclonal de lapin anti-MFN2

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Antibodies | ELISA kits | Proteins
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Numéro de catalogue:12186-1-AP Phare 233 Publications

Informations de base

Numéro de catalogue:
12186-1-AP

Taille:
150ul , Concentration: 500 μg/ml by Nanodrop;

Hôte:
Lapin

Isotype:
IgG

Immunogen Catalog Number:
AG2845

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 affinité contre l'antigène

Dilutions recommandées:
WB 1:5000-1:50000
IP 0.5-4.0 ug for IP and 1:200-1:1000 for WB
IHC 1:50-1:500

Applications

Applications testées:
IHC, IP, WB, ELISA

Demandes citées:
CoIP, IF, IHC, IP

Spécificité de l'espèce:
Humain, rat, souris

Espèces citées:
bovin, Humain, poisson-zèbre, porc, poulet, rat, souris

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 : tissu cérébral de souris, cellules COLO 320, cellules HeLa, tissu cardiaque de rat, tissu cérébral de rat, tissu hépatique de rat, tissu hépatique de souris, tissu rénal de rat, tissu rénal de souris

IP : tissu rénal de souris,

IHC : tissu de cancer du côlon humain,

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
Maria Manczak	27677309	Hum Mol Genet	IF
Na Jiang	32975326	Cell Prolif	WB,IHC
Siwen Li	28957766	Chemosphere	WB

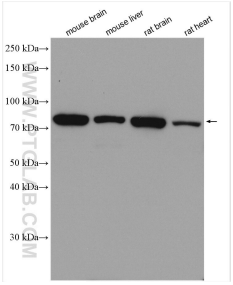
Stockage

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

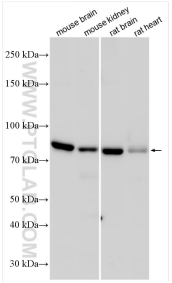
***** Les 20ul contiennent 0,1% de BSA.**

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

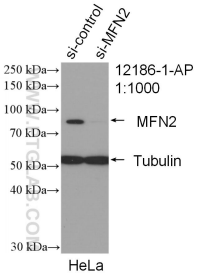
Données de validation sélectionnées



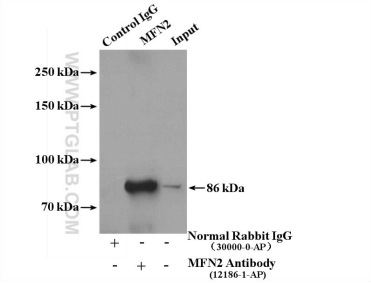
Various lysates were subjected to SDS PAGE followed by western blot with 12186-1-AP (MFN2 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



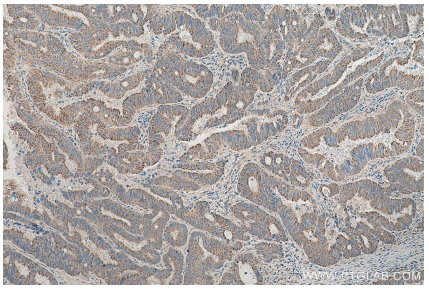
Various lysates were subjected to SDS PAGE followed by western blot with 12186-1-AP (MFN2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



WB result of MFN2 antibody (12186-1-AP; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-MFN2 transfected HeLa cells.



IP result of anti-MFN2 (IP:12186-1-AP, 4ug; Detection:12186-1-AP 1:300) with mouse kidney tissue lysate 3000 ug.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 12186-1-AP (MFN2 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).