

Allgemeine Informationen

Katalog-Nr.: 28341-1-AP	GenBank-Zugangsnummer: BC017061	Reinigungsmethode: Antigen-Affinitätsreinigung
Größe: 150ul, Konzentration: 1000 µg/ml von 9927 Nanodrop und 467 µg/ml durch die Bradford-Methode mit BSA als Standard;	GeneID (NCBI): mitofusin 2	Empfohlene Verdünnungen: WB 1:500-1:2000 IHC 1:50-1:500
Wirt: Kaninchen	Vollständiger Name: mitofusin 2	
Isotyp: IgG	Berechnete Masse: 757 aa, 86 kDa	
Immunogen Katalognummer: AG28128	Beobachtete Masse: 86 kDa	

Anwendungen

Geprüfte Anwendungen: IHC, WB, ELISA	Positivkontrollen: WB : HEK-293-Zellen, HeLa-Zellen, HepG2-Zellen, Maushirngewebe, Rattenhirngewebe IHC : Mausherzgewebe,
Getestete Reaktivität: Human, Maus, Ratte	
Hinweis-IHC: Antigenmaskierung mit TE-Puffer pH 9,0 empfohlen. (*) Wahlweise kann die Antigenmaskierung auch mit Citratpuffer pH 6,0 erfolgen.	

Hintergrundinformationen

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.

Lagerung

Lagerungsbedingungen:
Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil

Lagerungspuffer:
PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.

Aliquotieren ist nicht notwendig bei -20°C Lagerung

*** 20ul-Größen enthalten 0.1% 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)

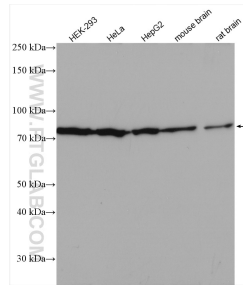
E: proteintech@ptglab.com
W: ptglab.com

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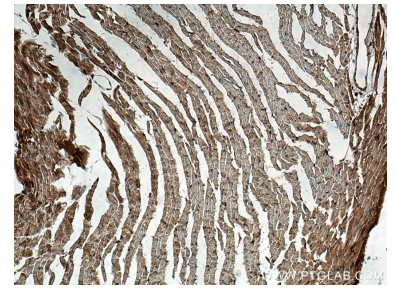
Ausgewählte Validierungsdaten



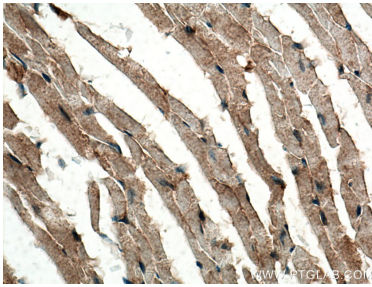
HepG2 cells were subjected to SDS PAGE followed by western blot with 28341-1-AP (MFN2 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



Various lysates were subjected to SDS PAGE followed by western blot with 28341-1-AP (MFN2 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse heart tissue slide using 28341-1-AP (MFN2 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse heart tissue slide using 28341-1-AP (MFN2 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).