

Nur für Forschungszwecke

MFN2 Polyklonaler Antikörper

Katalog-Nr.:12186-1-AP

Vorgestelltes Produkt

211 Publikationen



Allgemeine Informationen

Katalog-Nr.:
12186-1-AP

Größe:
150ul, Konzentration: 500 µg/ml von
Nanodrop;

Wirt:
Kaninchen

Isotyp:
IgG

Immunogen Katalognummer:
AG2845

GenBank-Zugangsnummer:
BC017061

GeneID (NCBI):
9927

Vollständiger Name:
mitofusin 2

Berechnete Masse:
757 aa, 86 kDa

Beobachtete Masse:
86 kDa

Reinigungsmethode:

Antigen-Affinitätsreinigung

Empfohlene Verdünnungen:

WB 1:5000-1:50000

IP 0.5-4.0 µg für IP und 1:200-1:1000
für WB

IHC 1:50-1:500

Anwendungen

Geprüfte Anwendungen:

IHC, IP, WB, ELISA

In Publikationen genannte Anwendungen:

CoIP, IF, IHC, IP

Getestete Reaktivität:

Human, Maus, Ratte

Zitierte Arten:

Hausschwein, Huhn, Human, Maus, Ratte, Rind,
Zebrafisch

**Hinweis-IHC: Antigenmaskierung mit TE-
Puffer pH 9,0 empfohlen. (*) Wahlweise
kann die Antigenmaskierung auch mit
Citratpuffer pH 6,0 erfolgen.**

Positivkontrollen:

WB: Maushirngewebe, COLO 320-Zellen, HeLa-Zellen,
Mauslebergewebe, Mausnierengewebe,
Rattenherzgewebe, Rattenhirngewebe,
Rattenlebergewebe, Rattennierengewebe

IP: Mausnierengewebe,

IHC: humanes Kolonkarzinomgewebe,

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.

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Maria Manczak	27677309	Hum Mol Genet	IF
Na Jiang	32975326	Cell Prolif	WB,IHC
Siwen Li	28957766	Chemosphere	WB

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

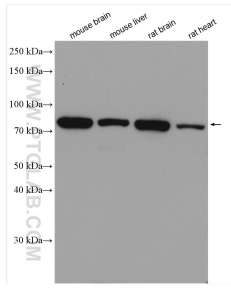
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free
in USA), or 1(312) 455-8498 (outside USA)

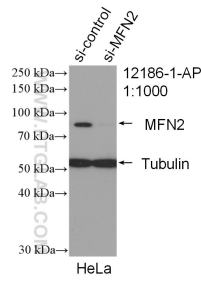
E: proteintech@ptglab.com
W: ptglab.com

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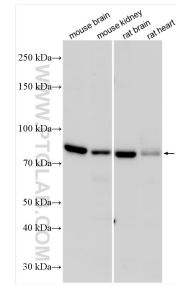
Ausgewählte Validierungsdaten



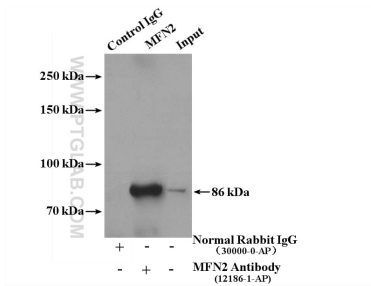
Various lysates were subjected to SDS PAGE followed by western blot with 12186-1-AP (MFN2 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



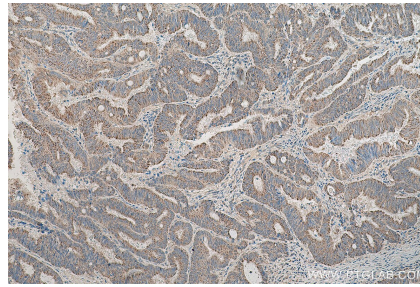
WB result of MFN2 antibody (12186-1-AP; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-MFN2 transfected HeLa cells.



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.



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).