Product datasheet

Anti-MFN2 Antibody (Clone#AOCA-13)

Catalog Number: *BM4906*

BOSTER
antibody and ELISA experts
BOSTER BIOLOGICAL TECHNOLOGY
Building C21, 3rd to 5th Floors, Optics Valley Biopharmaceutical Accelerator,
East Lake High-Tech Development Zone, Wuhan.
Web: www.boster.com ***Phone:*** 027-67845390/1/2 ***Email:*** boster@boster.com

Basic Information

Product Name	Anti-MFN2 Antibody (Clone#AOCA-13)
Gene Name	MFN2
Source	Rabbit
Clonality	Monoclonal
Isotype	IgG
Species Reactivity	human, mouse, rat
Tested Application	WB, IHC, ICC/IF
Contents	500 ug/ml; Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide, 0.4-0.5 mg/ml BSA and 50% glycerol.
Immunogen	A synthesized peptide derived from human Mitofusin 2
Concentration	500 ug/ml
Purification	Affinity-chromatography
Observed MW	86 kDa
Dilution Ratios	Western blot (WB): 1:500-2000 Immunohistochemistry (IHC): 1:50-200 Immunocytochemistry/Immunofluorescence (ICC/IF):1:50-200

Storage

12 months from date of receipt，-20℃ as supplied.

Background Information

Mitofusin 2(MFN2) is a mitochondrial transmembrane GTPase regulating mitochondrial fusion and that the nucleotide-dependent activation of MFN2 concomitantly protects the organelle from permeability transition. It is mapped to chromosome 1 and encodes a 757-amino acid protein that contains an ATP/GTP-binding site motif. It is expressed in many tissues and cell lines such as brain and KG-1 with the highest expression in heart and skeletal muscle. This protein contains an N-terminal GTPase domain and a transmembrane domain near the C terminus. It shares 60% identity with MFN1. When stably expressed in COS-7 cells, MFN2 colocalizes with mitochondrial markers. Axonal CMT type 2A and autosomal dominant HMSN VI are caused by MFN2 and mutations in MFN2, which emphasizes its important role of mitochondrial function for both optic atrophies and peripheral neuropathies.

Anti-MFN2 Antibody (Clone#AOCA-13)

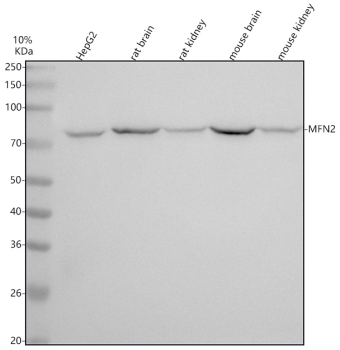
Catalog Number: *BM4906*

BOSTER
antibody and ELISA experts
BOSTER BIOLOGICAL TECHNOLOGY
Building C21, 3rd to 5th Floors, Optics Valley Biopharmaceutical Accelerator,
East Lake High-Tech Development Zone, Wuhan.
Web: www.boster.com ***Phone:*** 027-67845390/1/2 ***Email:*** boster@boster.com

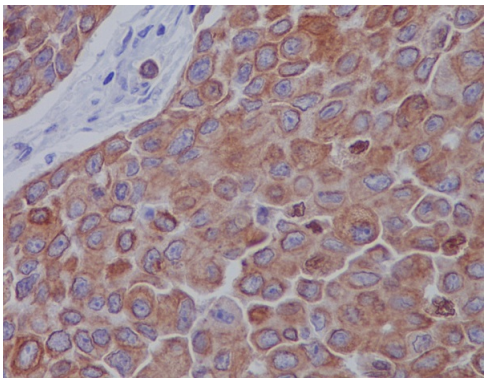
Reference

Anti-MFN2 Antibody (Clone#AOCA-13)被引用在8文献中。

Selected Validation Data



Western blot analysis of anti-MFN2 antibody (BM4906). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.
Lane 1: human HepG2 whole cell lysates,
Lane 2: rat brain tissue lysates,
Lane 3: rat kidney tissue lysates,
Lane 4: mouse brain tissue lysates,
Lane 5: mouse kidney tissue lysates.
After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-MFN2 antigen affinity purified monoclonal antibody (BM4906) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for MFN2 at approximately 86 kDa. The expected band size for MFN2 is at 86 kDa.



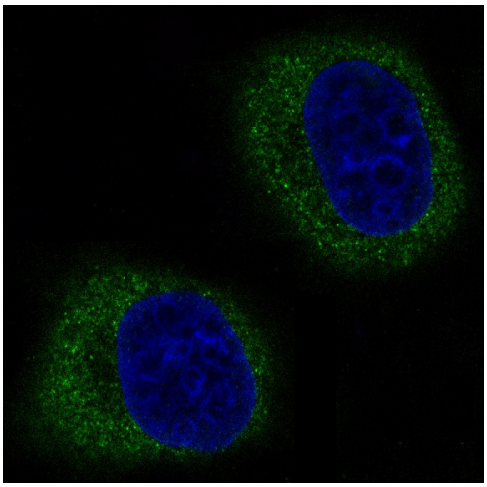
Immunohistochemical analysis of paraffin-embedded human breast carcinoma, using Mitofusin 2 Antibody.

Product datasheet

Anti-MFN2 Antibody (Clone#AOCA-13)

Catalog Number: *BM4906*

BOSTER
antibody and ELISA experts
BOSTER BIOLOGICAL TECHNOLOGY
Building C21, 3rd to 5th Floors, Optics Valley Biopharmaceutical Accelerator,
East Lake High-Tech Development Zone, Wuhan.
Web: www.boster.com ***Phone:*** 027-67845390/1/2 ***Email:*** boster@boster.com



Immunofluorescent analysis of Hela cells, using Mitofusin 2 Antibody.