

anti- MFN2 antibody

Product Information

Catalog No.:	FNab05151
Size:	100µg
Form:	liquid
Purification:	Immunogen affinity purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Rabbit
Clonality:	polyclonal
Clone ID:	None
IsoType:	IgG
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months (Avoid repeated freeze / thaw cycles.)

Background

Essential transmembrane GTPase, which mediates mitochondrial fusion. Fusion of mitochondria occurs in many cell types and constitutes an important step in mitochondria morphology, which is balanced between fusion and fission. 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 induces the formation of mitochondrial networks. Plays an important role in the regulation of vascular smooth muscle cell proliferation. Involved in the clearance of damaged mitochondria via selective autophagy(mitophagy). Is required for PARK2 recruitment to dysfunctional mitochondria. Involved in the control of unfolded protein response(UPR) upon ER stress including activation of apoptosis and autophagy during ER stress. Acts as an upstream regulator of EIF2AK3 and suppresses EIF2AK3 activation under basal conditions.

Immunogen information

Immunogen:	mitofusin 2
Synonyms:	CMT2A, CMT2A2, CPRP1, HSG, KIAA0214, MARF, MFN2, Mitofusin 2, Transmembrane GTPase MFN2
Observed MW:	86 kDa
UniprotID :	O95140

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Wuhan Fine Biotech Co., Ltd.

B9 Bld, High-Tech Medical Devices Park, No. 818 GaoxinAve.East Lake High-Tech Development Zone.Wuhan, Hubei, China(430206)

Tel : (0086)027-87384275

Fax: (0086)027-87800889 www.fn-test.com

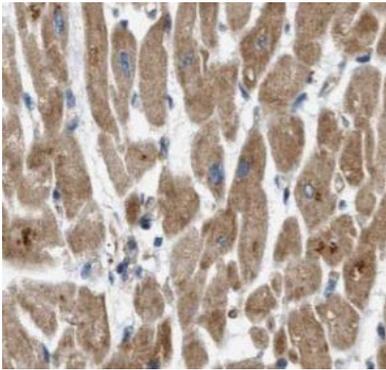
Application

Reactivity: Human, Mouse, Rat

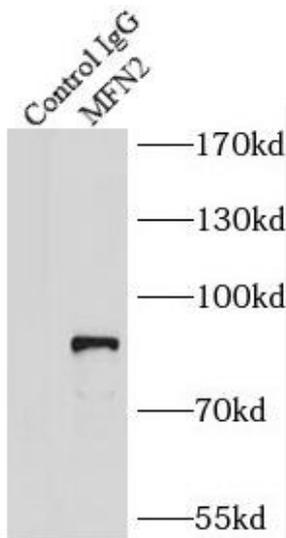
Tested Application: ELISA, WB, IP, IHC

Recommended dilution: IP: 1:200-1:1000; WB: 1:200-1:1000; IHC: 1:50-1:500

Image:



Immunohistochemistry of paraffin-embedded human heart tissue slide using FNab05151(MFN2 Antibody) at dilution of 1:200



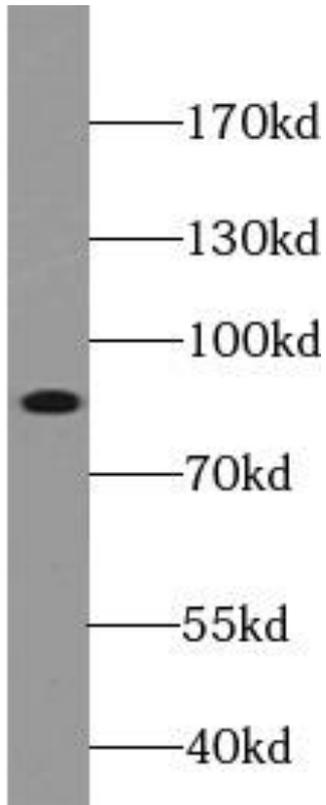
IP result of anti-MFN2(IP:FNab05151, 4ug; Detection:FNab05151 1:300) with mouse kidney tissue lysate 3000 ug

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mouse testis tissue were subjected to SDS PAGE followed by western blot with FNab05151(MFN2 antibody) at dilution of 1:500