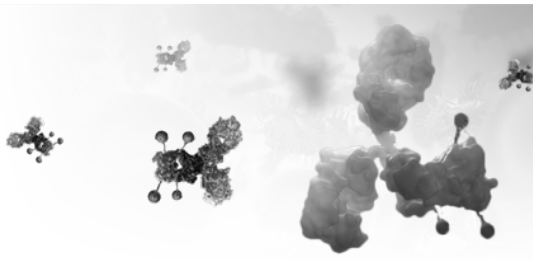

Anti-MFN2 monoclonal antibody (DCABH-9219)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Mouse monoclonal to Mitofusin 2
Antigen Description	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.
Immunogen	Recombinant fragment: FKRQFVEHAS EKLQLVISYT GSNCSHQVQQ ELSGTFAHLC QQVDVTRENL EQEIAAMNKK IEVLDSLQSK AKLLRNKAGW LDSELNMFTH QYLQPSR, corresponding to amino acids 661-758 of Human Mitofusin 2
Isotype	IgG2a
Source/Host	Mouse
Species Reactivity	Mouse, Rat, Cow, Human, Cynomolgus monkey
Conjugate	Unconjugated
Applications	IHC-Fr, WB, IHC-P, IP, ICC/IF, Flow Cyt
Format	Liquid
Size	100 µg
Buffer	Preservative: None PBS, pH 7.2
Preservative	None
Storage	store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

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Ship	Shipped at 4°C.

GENE INFORMATION

Gene Name	MFN2 mitofusin 2 [Homo sapiens]
Official Symbol	MFN2
Synonyms	MFN2; mitofusin 2; mitofusin-2; CMT2A2; CPRP1; KIAA0214; MARF; hyperplasia suppressor; transmembrane GTPase MFN2; mitochondrial assembly regulatory factor; HSG; CMT2A;
Entrez Gene ID	9927
Protein Refseq	NP_001121132
UniProt ID	O95140
Chromosome Location	1p36.22
Pathway	Factors involved in megakaryocyte development and platelet production, organism-specific biosystem; Hemostasis, organism-specific biosystem;
Function	GTP binding; GTPase activity; hydrolase activity; nucleotide binding; ubiquitin protein ligase binding;

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