



Anti-MFN2 Antibody

Alternative Names: CMT2A, CMT2A2, CMT2A2A, CMT2A2B, CPRP1, HMSN6A, HSG, KIAA0214, MARF, Mitofusin 2, Transmembrane GTPase MFN2

Catalogue Number: AB18-10053-50ug

Size: 50 µg

Background Information

Mitofusin-2 (MFN2) is a mitochondrial outer membrane GTPase that mediates mitochondrial clustering and fusion and contributes to the maintenance and operation of the mitochondrial network. MFN2 is involved in the regulation of vascular smooth muscle cell proliferation, and it may play a role in the pathophysiology of obesity. Mutations in this gene cause Charcot-Marie-Tooth disease type 2A2, and hereditary motor and sensory neuropathy VI, which are both disorders of the peripheral nervous system. Defects in this gene have also been associated with early-onset stroke.

Product Information

Antibody Type:	Polyclonal	Host:	Rabbit
Isotype:	IgG	Species Reactivity:	Human
Immunogen:	A synthetic peptide of 13 aa taken from human MFN2 between aa 100 and 300		
Format:	50 µg in 50 µl PBS with 0.03% Proclin300, 50% glycerol, pH7.3.		
Storage Conditions:	6 months: 4°C. Long-term storage: -20°C. Avoid multiple freeze and thaw cycles.		
Applications:	WB IHC WB 1:1000-4000. IHC 1:50-200		

Additional Information

Subcellular location:	Cytoplasm Cell membrane, Mitochondrion outer membrane	MW:	86kDa (Intended as a general guide and does not allow for all isoforms and species variations)
Gene ID	9927	Uniprot ID:	O95140