
Product Name: KD-Validated Mitofusin 2 Recombinant Rabbit Monoclonal Antibody
Catalog #: KVA01530

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000
Molecular Weight	Calculated MW: 86.4kDa

Antigen Information

Gene Name	MFN2 MFN2; Mitofusin 2; CPRP1; KIAA0214; CMT2A2; MARF; Transmembrane GTPase MFN2;
Alternative Names	Mitofusin-2; Mitochondrial Assembly Regulatory Factor; Hyperplasia Suppressor; EC 3.6.5.-; EC 3.6.5; CMT2A2A; CMT2A2B; HMSN6A; CMT2A; HSG; MSL
Gene ID	9927.0
SwissProt ID	O95140
Immunogen	A synthesized peptide derived from human Mitofusin 2

Background

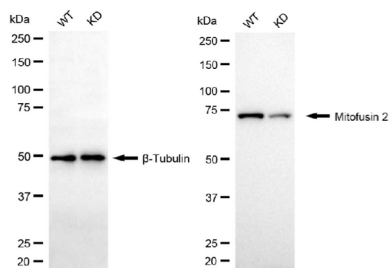
This gene encodes a mitochondrial membrane protein that participates in mitochondrial fusion and contributes to the maintenance and operation of the mitochondrial network. This protein is involved in the regulation of vascular smooth muscle

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. Two transcript variants encoding the same protein have been identified. [provided by RefSeq, Jul 2008]

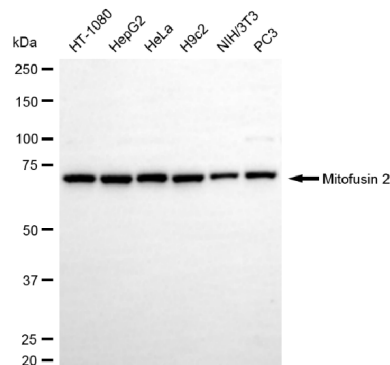
Research Area

Tags & Cell Markers, Cell Biology, Signal Transduction, Neuroscience, Metabolism, Cancer

Image Data



Western blotting analysis using mitofusin 2 antibody (KVA01530). Mitofusin 2 expression in wild-type (WT) and mitofusin 2 (MFN2) knockdown (KD) HSHC cells with 20 μ g of total cell lysates. β -Tubulin serves as a loading control. The blot was incubated with mitofusin 2 antibody (KVA01530, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using mitofusin 2 antibody (KVA01530). Total cell lysates (30 μ g) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with mitofusin 2 antibody (KVA01530, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.