

Product Datasheet

Mitofusin1 Antibody

Catalog No: CY6614

Reactivity: Human

Isotype: Rabbit IgG

Applications: WB IP FC



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Information

UniProt ID: Q8IWA4

All Names: MFN1; Fzo homolog; Hfzo2; Mitofusin-1; Hfzo1; Mitofusin1; Putative transmembrane GTPase; Transmembrane GTPase MFN1;

Form: Liquid

Storage instructions: Store at +4° C short term. Store at -20° C long term. Avoid freeze / thaw cycle.

Storage buffer: pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Purity: Affinity-chromatography

Immunogen: A synthesized peptide

Molecular Wt.: 84 kDa

Application

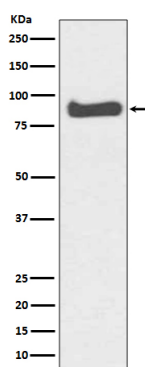
WB 1:1000~1:5000

IP 1:20

FC 1:20

Background

Mitofusins are mitochondrial transmembrane GTPases that function to regulate mitochondrial fusion, a process that occurs in concert with mitochondrial division and is necessary for the maintenance of structural and genetic mitochondrial integrity. Two mitofusins have been described in mammals, mitofusin-1 and -2, which share 60% amino acid identity and appear to function coordinately to regulate mitochondrial fusion. Mitochondrial fusion is widely recognized as important for normal cell growth and development, and may have evolved as a mechanism to offset the deleterious effects of mtDNA mutations. Null mutations in either mitofusin are embryonic lethal in mice, whereas conditional knockout studies have shown that combined deletion of mitofusin-1 and mitofusin-2 in skeletal muscle results in severe mitochondrial dysfunction.



Western blot analysis of Mitofusin1 expression in K562 cell lysate.

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