

[KD]Mitofusin 1 Rabbit mAb

Catalog # AP76591

Product Information

Application	WB, IP
Primary Accession	Q8R4Z9
Reactivity	Rat, Human, Mouse
Host	Rabbit
Clonality	Monoclonal Antibody
Isotype	IgG
Conjugate	Unconjugated
Purification	Affinity Purified
Calculated MW	83847

Additional Information

Gene ID	192647
Other Names	Mfn1
Dilution	WB~~1:1000 IP~~N/A
Format	Liquid in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA.
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

Protein Information

Name	Mfn1
Synonyms	Fzo1b
Function	Mitochondrial outer membrane GTPase that mediates mitochondrial clustering and fusion (PubMed: 12589796 , PubMed: 14561718). Membrane clustering requires GTPase activity. It may involve a major rearrangement of the coiled coil domains (By similarity). Mitochondria are highly dynamic organelles, and their morphology is determined by the equilibrium between mitochondrial fusion and fission events (PubMed: 14561718). Overexpression induces the formation of mitochondrial networks (in vitro) (PubMed: 14561718). Has low GTPase activity (By similarity).
Cellular Location	Mitochondrion outer membrane; Multi-pass membrane protein
Tissue Location	Ubiquitous. In brain, it is expressed at weaker level than MFN2, while it is expressed at a higher level than MFN2 in heart and testis. Expressed at high

level in elongating spermatids of seminiferous tubules.

Background

Mitochondrial outer membrane GTPase that mediates mitochondrial clustering and fusion.

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