

Mitofusin 1 Rabbit mAb
Catalog # AP76591**Specification**

Mitofusin 1 Rabbit mAb - Product Information

Application	WB, IP
Primary Accession	Q8R4Z9
Reactivity	Mouse, Rat, Hamster
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	83847

Mitofusin 1 Rabbit mAb - Additional Information**Gene ID** 192647**Other Names**
Mfn1**Dilution**
WB~~1/500-1/1000
IP~~1/20**Format**
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.**Mitofusin 1 Rabbit mAb - 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.

Mitofusin 1 Rabbit mAb - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Mitofusin 1 Rabbit mAb - Images



