

# Mitofusin 1 Rabbit mAb

Catalog # AP76591

### **Product Information**

ApplicationWB, IPPrimary AccessionQ8R4Z9

**Reactivity** Mouse, Rat, Hamster

**Host** Rabbi

**Clonality** Monoclonal Antibody

Calculated MW 83847

#### **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.

## **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

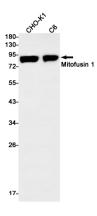
**Tissue Location** Ubiquitous. In brain, it is expressed at weaker level than MFN2, while it is

expressed at a higher level than MFN2 in heart and testis. Expressed at high

level in elongating spermatids of seminiferous tubules.

## **Images**





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