

Mitofusin 1 Rabbit mAb
Catalog # AP77255**Specification****Mitofusin 1 Rabbit mAb - Product Information**

Application	WB
Primary Accession	Q8IWA4
Reactivity	Human
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	84160

Mitofusin 1 Rabbit mAb - Additional Information

Gene ID 55669

Other Names

MFN1

Dilution

WB~~1/500-1/1000

Format

Liquid

Mitofusin 1 Rabbit mAb - Protein Information

Name MFN1

Function

Mitochondrial outer membrane GTPase that mediates mitochondrial clustering and fusion (PubMed: [12475957](http://www.uniprot.org/citations/12475957)), PubMed: [12759376](http://www.uniprot.org/citations/12759376), PubMed: [27920125](http://www.uniprot.org/citations/27920125), PubMed: [28114303](http://www.uniprot.org/citations/28114303)). Membrane clustering requires GTPase activity (PubMed: [27920125](http://www.uniprot.org/citations/27920125)). It may involve a major rearrangement of the coiled coil domains (PubMed: [27920125](http://www.uniprot.org/citations/27920125), PubMed: [28114303](http://www.uniprot.org/citations/28114303)). Mitochondria are highly dynamic organelles, and their morphology is determined by the equilibrium between mitochondrial fusion and fission events (PubMed: [12475957](http://www.uniprot.org/citations/12475957), PubMed: [12759376](http://www.uniprot.org/citations/12759376)). Overexpression induces the formation of mitochondrial networks (in vitro) (PubMed: [12759376](http://www.uniprot.org/citations/12759376)). Has low GTPase activity (PubMed: [27920125](http://www.uniprot.org/citations/27920125), PubMed: [28114303](http://www.uniprot.org/citations/28114303))

target="_blank">28114303).

Cellular Location

Mitochondrion outer membrane; Multi-pass membrane protein

Tissue Location

Detected in kidney and heart (at protein level) (PubMed:12759376). Ubiquitous (PubMed:11950885, PubMed:12759376) Expressed at slightly higher level in kidney and heart (PubMed:12759376). Isoform 2 may be overexpressed in some tumors, such as lung cancers (PubMed:11751411).

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

