

# Mitofusin-1/MFN1 Rabbit mAb

Catalog No.: A21293 **Recombinant** **7 Publications**

## Basic Information

### Observed MW

84kDa

### Calculated MW

84kDa

### Category

Primary antibody

### Applications

WB,IHC-P,ELISA

### Cross-Reactivity

Human

### CloneNo number

ARC54223

## Background

The protein encoded by this gene is a mediator of mitochondrial fusion. This protein and mitofusin 2 are homologs of the Drosophila protein fuzzy onion (Fzo). They are mitochondrial membrane proteins that interact with each other to facilitate mitochondrial targeting.

## Recommended Dilutions

**WB** 1:500 - 1:1000

**IHC-P** 1:50 - 1:200

**ELISA** Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

## Immunogen Information

### Gene ID

55669

### Swiss Prot

Q8IWA4

### Immunogen

A synthetic peptide corresponding to a sequence within amino acids 642-741 of human Mitofusin-1/MFN1 (NP\_284941.2).

### Synonyms

hfzo1; hfzo2; Mitofusin-1/MFN1

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

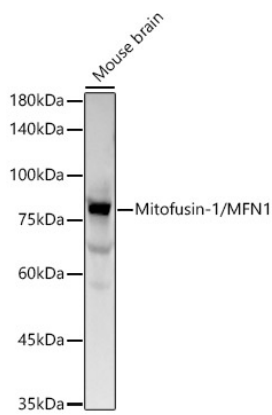
Affinity purification

### Storage

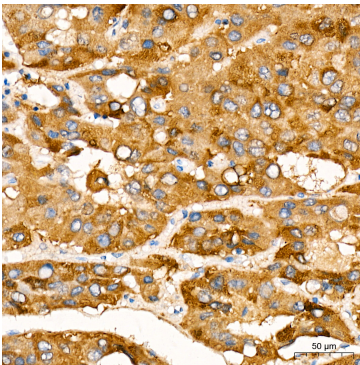
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300,0.05% BSA,50% glycerol,pH7.3.

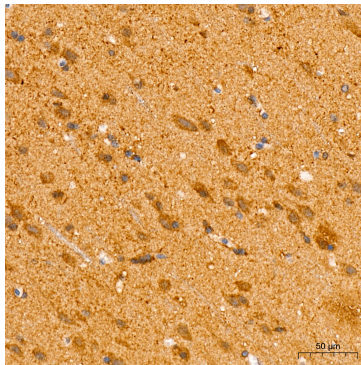
## Validation Data



Western blot analysis of lysates from Mouse brain, using Mitofusin-1/MFN1 Rabbit mAb (A21293) at 1:1000 dilution.  
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25µg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Basic Kit (RM00020).  
Exposure time: 180s.



Immunohistochemistry analysis of paraffin-embedded Human liver cancer tissue using Mitofusin-1/MFN1 Rabbit mAb (A21293) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human brain tissue using Mitofusin-1/MFN1 Rabbit mAb (A21293) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.