

# Mitofusin 2 Rabbit mAb

Catalog No.: A19678   Recombinant   48 Publications

## Basic Information

### Observed MW

80kDa

### Calculated MW

86kDa

### Category

Primary antibody

### Applications

WB, IF-P, ELISA

### Cross-Reactivity

Human, Mouse, Rat

### Clone/No. number

ARC0157

## Background

This gene encodes a mitochondrial membrane protein that participates in mitochondrial fusion and contributes to the maintenance and operation of the mitochondrial network. This protein is involved in the regulation of vascular smooth muscle cell proliferation, and it may play a role in the pathophysiology of obesity. Mutations in this gene cause Charcot-Marie-Tooth disease type 2A2, and hereditary motor and sensory neuropathy VI, which are both disorders of the peripheral nervous system. Defects in this gene have also been associated with early-onset stroke. Two transcript variants encoding the same protein have been identified.

## Recommended Dilutions

WB                    1:1000 - 1:2000

IF-P                   1:100 - 1:400

ELISA                Recommended starting concentration is 1  $\mu$ g/mL.  
 Please optimize the concentration based on your specific assay requirements.

## Immunogen Information

### Gene ID

9927

### Swiss Prot

O95140

### Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

### Synonyms

HSG; MARF; CMT2A; CPRP1; CMT2A2; HMSN6A; CMT2A2A; CMT2A2B; Mitofusin 2

## Contact

	400-999-6126
	<a href="mailto:cn.market@abclonal.com.cn">cn.market@abclonal.com.cn</a>
	<a href="http://www.abclonal.com.cn">www.abclonal.com.cn</a>

## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

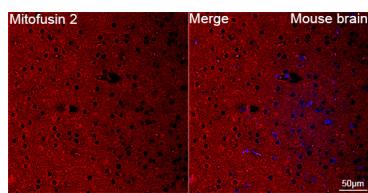
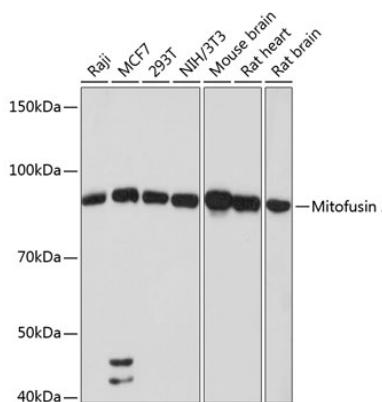
Affinity purification

### Storage

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

Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

## Validation Data



Confocal imaging of paraffin-embedded  
Mouse brain tissue using Mitofusin 2 Rabbit  
mAb (A19678, dilution 1:100) followed by a  
further incubation with Cy3 Goat Anti-Rabbit  
IgG (H+L) (AS007, dilution 1:500) (Red).  
DAPI was used for nuclear staining (Blue).  
Objective: 40x. Perform microwave antigen  
retrieval with 0.01 M citrate buffer (pH 6.0)  
prior to IF staining.