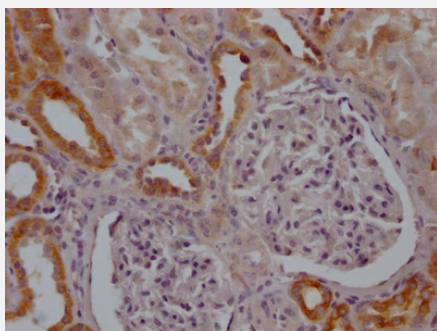


RecomAb™

# MFN2 recombinant monoclonal antibody, clone 10F6

Catalog # RAB07491      Size 100 uL

## Applications



### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human kidney tissue using MFN2 recombinant monoclonal antibody, clone 10F6 (Cat # RAB07491) on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a Goat anti-rabbit IgG polymer labeled by HRP and visualized using 0.05% DAB.

## Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human MFN2.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide corresponding to human MFN2.
Reactivity	Human
Form	Liquid
Purification	Affinity chromatography purification
Isotype	IgG
Recommend Usage	ELISA Immunohistochemistry (1:50-1:200) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH7.4 (150 mM NaCl, 0.02% sodium azide and 50% glycerol)

**Storage Instruction**

Store at -20°C or -80°C.  
Aliquot to avoid repeated freezing and thawing.

**Note**

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

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- Enzyme-linked Immunoabsorbent Assay

## Gene Info — MFN2

**Entrez GeneID**
[9927](#)
**Protein Accession#**
[O95140](#)
**Gene Name**

MFN2

**Gene Alias**

CMT2A, CMT2A2, CPRP1, HSG, KIAA0214, MARF

**Gene Description**

mitofusin 2

**Omim ID**
[601152](#) [608507](#) [609260](#)
**Gene Ontology**
[Hyperlink](#)
**Gene Summary**

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. [provided by RefSeq]

**Other Designations**

OTTHUMP00000002509|hyperplasia suppressor|mitochondrial assembly regulatory factor|mitofusin-2|transmembrane GTPase MFN2

## Disease

- [Charcot-Marie-Tooth Disease](#)
- [Genetic Predisposition to Disease](#)
- [Glaucoma](#)
- [Hereditary Sensory and Motor Neuropathy](#)