

## Product Data Sheet: Mitofusin 2

Cat. No: AB-82792
Size: 100 ug
Clone: POLY
Concentration: 1mg/ml
Host: Rabbit
Isotype: IgG

**Immunogen:** A synthetic peptide corresponding to a sequence within amino acids 500-600 of

human Mitofusin 2

Reactivity: Human, Mouse, Rat

Western Blot 1:100 - 1:500

**Applications:** Immunohistochemistry(P) 1:50 - 1:200

Immunofluorescence 1:50 - 1:200

Immunocytochemistry 1:50 - 1:200

**Molecular Weight:** 80 kDa **Purification:** Aff. Pur.

Synonyms: HSG; MARF; CMT2A; CPRP1; CMT2A2; HMSN6A; CMT2A2A; CMT2A2B

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

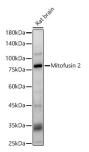
identified.

Form: Liquid

**Background:** 

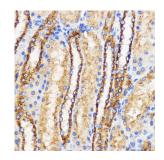
**Buffer:** PBS with 0.05% proclin300,50% glycerol, pH7.3

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

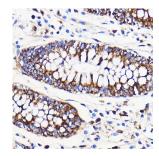


Western blot analysis of Rat brain, using Mitofusin 2 antibody at 1:400 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit.



Immunohistochemistry analysis of paraffin-embedded Rat kidney using Mitofusin 2 Rabbit pAb at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining

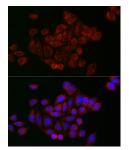


Immunohistochemistry analysis of paraffin-embedded Human colon using Mitofusin 2 Rabbit pAb (A12771) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining



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Exposure time: 30s. protocol. protocol.



Immunofluorescence analysis of HeLa cells using Mitofusin 2 Rabbit pAb at dilution of 1:50 (40x lens). Blue: DAPI for nuclear staining.

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