

**Mfn2 rabbit pAb****Cat#: orb765659 (Manual)**

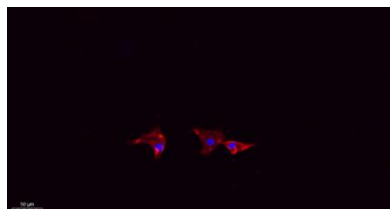
For research use only. Not intended for diagnostic use.

<b>Product Name</b>	Mfn2 rabbit pAb
<b>Host species</b>	Rabbit
<b>Applications</b>	WB;IHC;IF;ELISA
<b>Species Cross-Reactivity</b>	Human;Mouse;Rat
<b>Recommended dilutions</b>	Western Blot: 1/500 - 1/2000. IHC-p: 1:100-300 ELISA: 1/20000. IF 1:100-300 Not yet tested in other applications.
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human Mfn2. AA range:354-403
<b>Specificity</b>	Mfn2 Polyclonal Antibody detects endogenous levels of Mfn2 protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide..
<b>Storage</b>	Store at -20°C. Avoid repeated freeze-thaw cycles.
<b>Protein Name</b>	Mitofusin-2
<b>Gene Name</b>	MFN2
<b>Cellular localization</b>	Mitochondrion outer membrane ; Multi-pass membrane protein . Colocalizes with BAX during apoptosis. .
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Clonality</b>	Polyclonal

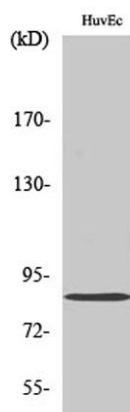
<b>Concentration</b>	1 mg/ml
<b>Observed band</b>	86kD
<b>Human Gene ID</b>	9927
<b>Human Swiss-Prot Number</b>	O95140
<b>Alternative Names</b>	MFN2; CPRP1; KIAA0214; Mitofusin-2; Transmembrane GTPase MFN2

## Background

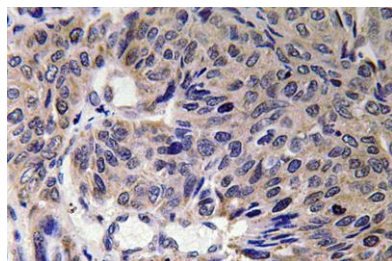
This gene encodes a mitochondrial membrane protein that participates in mitochondrial fusion and contributes to the maintenance and operation of the mitochondrial network. This protein is involved in the regulation of vascular smooth muscle cell proliferation, and it may play a role in the pathophysiology 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. [provided by RefSeq, Jul 2008],



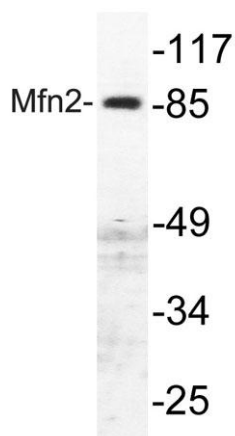
**Immunofluorescence analysis of A549. 1,primary Antibody(red) was diluted at 1:200(4°C overnight). 2, Goat Anti Rabbit IgG (H&L) - Alexa Fluor 594 Secondary antibody was diluted at 1:1000(room temperature, 50min).3, Picture B: DAPI(blue) 10min.**



Western Blot analysis of various cells using Mfn2 Polyclonal Antibody diluted at 1:1000



Immunohistochemistry analysis of Mfn2 antibody in paraffin-embedded human lung carcinoma tissue.



Western blot analysis of lysate from HUVEC cells, using Mfn2 antibody.