ELK Biotechnology

Mfn2 rabbit pAb

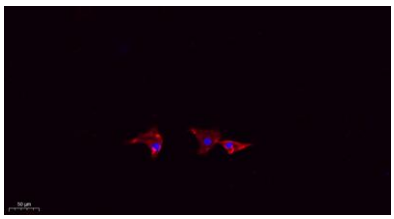
Cat No.:ES2784

For research use only

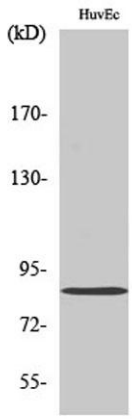
Overview

Product Name	Mfn2 rabbit pAb
Host species	Rabbit
Applications	WB;IHC;IF;ELISA
Species Cross-Reactivity	Human;Mouse;Rat
Recommended dilutions	Western Blot: 1/500 - 1/2000. IHC-p: 1:100-300 ELISA: 1/20000. IF 1:100-300 Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human Mfn2. AA range:354-403
Specificity	Mfn2 Polyclonal Antibody detects endogenous levels of Mfn2 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Mitofusin-2
Gene Name	MFN2
Cellular localization	Mitochondrion outer membrane ; Multi-pass membrane protein . Colocalizes with BAX during apoptosis. .
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	86kD
Human Gene ID	9927
Human Swiss-Prot Number	O95140
Alternative Names	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

+86-27-59760950 ELKbio@ELKbiotech.com www.elkbiotech.com

23-2, No.388 Gaoxin 2nd Road,Wuhan East Lake Hi-tech Development Zone, Hubei , P.R.C

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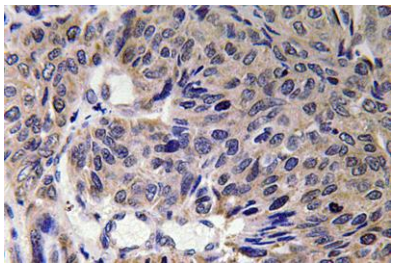
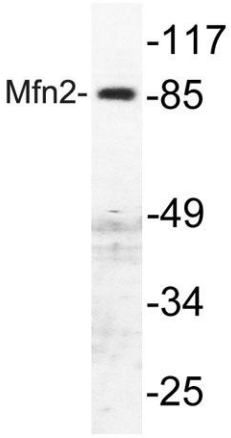
Immunohistochemistry analysis of Mfn2 antibody in paraffin-embedded human lung carcinoma tissue.





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

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