

## MFN1 Polyclonal Antibody

Catalog number: 13798-1-AP

Size: 20 µg/150 µl

Source: Rabbit

Isotype: IgG

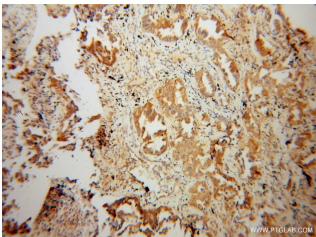
Synonyms:

MFN1; DKFZp762F247,

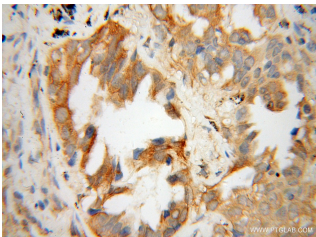
FLJ20693, Fzo homolog, hfzo1,

hfzo2, MFN1, mitofusin 1,

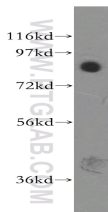
Transmembrane GTPase MFN1



Immunohistochemical of paraffin-embedded human lung cancer using 13798-1-AP(MFN1 antibody) at dilution of 1:100 (under 10x lens)



Immunohistochemical of paraffin-embedded human lung cancer using 13798-1-AP(MFN1 antibody) at dilution of 1:100 (under 40x lens)



human kidney tissue were subjected to SDS PAGE followed by western blot with 13798-1-AP(MFN1 antibody) at dilution of 1:500

### Background

Mitofusin-1 (MFN1) is a mediator of mitochondrial fusion. This protein and mitofusin 2 are homologs of the Drosophila protein fuzzy onion (Fzo). Mitofusins are large predicted GTPases located in outer mitochondrial membrane. They are essential for outer membrane fusion by interacting with each other to facilitate mitochondrial targeting. The mitofusins are the first known protein mediator of mitochondrial fusion, and mediate developmentally regulated post-meiotic fusion of mitochondria. Mfn1 is required on adjacent mitochondria to mediate fusion via interactions of a heptad repeat region that mediates oligomerization of the protein(PMID:16892085).

### Applications

Tested applications:	ELISA, WB, IHC
Cited applications:	WB
Species specificity:	Human, Mouse, Rat; other species not tested.
Cited species:	Human, mouse
Calculated MFN1 MW:	741aa, 84kd
Observed MFN1 MW:	86kd
Positive WB detected in:	Human kidney tissue
Positive IHC detected in:	Human lung cancer tissue
Recommended dilution:	WB: 1:500-1:5000 IHC: 1:20-1:200

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

### Immunogen information

Immunogen:	Ag4762
GenBank accession number:	BC040557
Gene ID (NCBI):	55669
Full name:	Mitofusin 1

### Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3. Store at -20°C.