

MFN1 rabbit pAb

YP-Ab-07898
IgG
Human; Mouse;Rat
WB
MFN1
MFN1
Synthesized peptide derived from human MFN1 AA range: 163-213
This antibody detects endogenous levels of MFN1 at Human/Mouse/Rat
Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.12% sodium azide.
Polyclonal, Rabbit,IgG
The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.
WB 1:500-2000
1 mg/ml
≥90%
-20°C/1 year
Mitofusin-1 (EC 3.6.5) (Fzo homolog) (Transmembrane GTPase MFN1)
85kD
Mitochondrion outer membrane ; Multi-pass membrane protein .; [Isoform 2]: Cytoplasm .
Detected in kidney and heart (at protein level) (PubMed:12759376). Ubiquitous (PubMed:11950885, PubMed:12759376). Expressed at slightly higher level in kidney and heart (PubMed:12759376). Isoform 2 may be overexpressed in some tumors, such as lung cancers (PubMed:11751411).
catalytic activity:GTP + H(2)O = GDP + phosphate.,function:Essential transmembrane GTPase, which mediates mitochondrial fusion. Fusion of mitochondria occurs in many cell types and constitutes an important step in mitochondria morphology, which is balanced between fusion and fission. MFN1 acts independently of the cytoskeleton. Overexpression induces the formation of mitochondrial networks.,similarity:Belongs to the mitofusin family.,subunit:Forms homomultimers and heteromultimers with MFN2. Multimerization, which is probably mediated by the coiled coil region, may play an essential role in mitochondrion fusion (By similarity). Participates in a high molecular weight multiprotein complex.,tissue specificity:Ubiquitous. Expressed at slightly higher level in kidney and heart. Isoform 2 may be overexpressed in some tumors, such



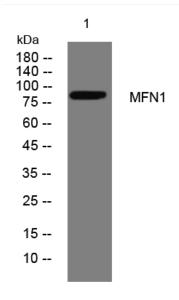
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Background	The protein encoded by this gene is a mediator of mitochondrial fusion. This protein and mitofusin 2 are homologs of the Drosophila protein fuzzy onion (Fzo). They are mitochondrial membrane proteins that interact with each other to facilitate mitochondrial targeting. [provided by RefSeq, Jul 2008],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western blot analysis of lysates from HCT116 cells, primary antibody was diluted at 1:1000, 4° over night