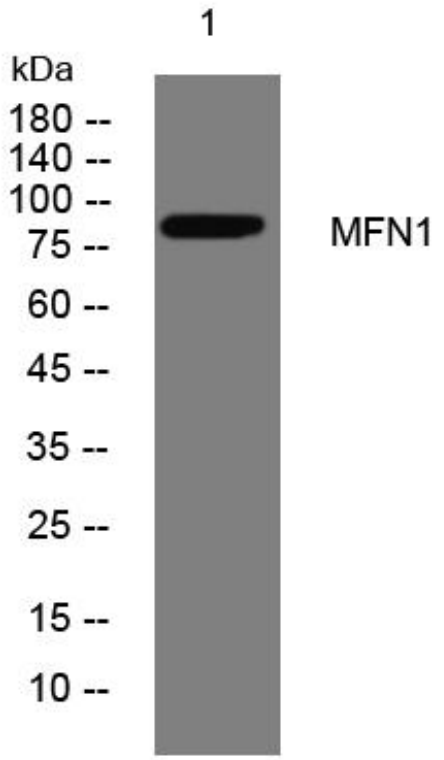
MFN1 mouse mAb

Catalog No	BYmab-07898
Isotype	IgG
Reactivity	Human; Mouse;Rat
Applications	WB
Gene Name	MFN1
Protein Name	MFN1
Immunogen	Synthesized peptide derived from human MFN1 AA range: 163-213
Specificity	This antibody detects endogenous levels of MFN1 at Human/Mouse/Rat
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.12% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	Mitofusin-1 (EC 3.6.5.-) (Fzo homolog) (Transmembrane GTPase MFN1)
Observed Band	85kD
Cell Pathway	Mitochondrion outer membrane ; Multi-pass membrane protein .; [Isoform 2]: Cytoplasm .
Tissue Specificity	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).
Function	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 as lung cancers.,
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 various cells using MFN1 mouse mAb