

DATASHEET

MFN1 Rabbit Monoclonal Antibody(C1782)

CAT. NO. AMA01394

KEY FEATURES

Target	MFN1	Source / Host	Rabbit
Reactivity	Human, Mouse	Clonality	Monoclonal
Applications	WB, IP	Conjugation	Unconjugated
Form / Buffer	Liquid in PBS, pH 7.4, containing 50% glycerol, 0.2% BSA and 0.01% sodium azide.	Storage	at-20°C

BACKGROUND

Mitochondrial outer membrane GTPase that mediates mitochondrial clustering and fusion . Membrane clustering requires GTPase activity . It may involve a major rearrangement of the coiled coil domains . Mitochondria are highly dynamic organelles, and their morphology is determined by the equilibrium between mitochondrial fusion and fission events . Overexpression induces the formation of mitochondrial networks (in vitro) . Has low GTPase activity .

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:1000
IP	1:10 - 1:50

*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

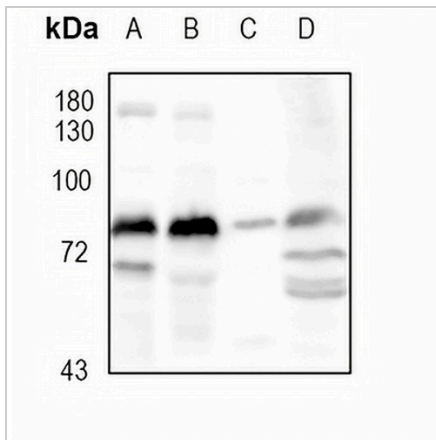
Description	Recombinant rabbit monoclonal antibody to MFN1
Specificity	Recognizes endogenous levels of MFN1 protein
Antibody Type	Primary antibody, Recombinant
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence within human MFN1 protein. The exact sequence is proprietary.
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 84 kD; Observed: 84 kD
Form/Buffer	Liquid in PBS, pH 7.4, containing 50% glycerol, 0.2% BSA and 0.01% sodium azide.
Alternative Names	Mitofusin-1; Fzo homolog; Transmembrane GTPase MFN1
Gene Symbol	MFN1
Entrez Gene	55669(Human); 67414(Mouse)
SwissProt	Q8IWA4(Human); Q811U4(Mouse)

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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DATA

Western blot analysis of MFN1 expression in PC3 (A), U87 (B), mouse kidney (C), mouse testis (D) whole cell lysates. (Predicted band size: 84 kD; Observed band size: 84 kD)

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.