

Anti-MFN1 Antibody (Monoclonal, 35M35)

Catalog Number: M02172-3

About MFN1

Mitofusin-1 is a protein that in humans is encoded by the MFN1 gene. It is an 80?90 kDa mitochondrial member of the dynamin family of molecules. It is ubiquitously expressed, and found in the outer mitochondrial membrane. The protein encoded by this gene is a mediator of mitochondrial fusion, and thereby contribute to the dynamic balance between fusion and fission that determines mitochondria morphology. MFN1 is known to form oligomers, either with itself or MFN?2, and to undergo ubiquitination by MARCH5. MFN?1 has two key domains. One is a coiled?coil region that mediates MFN?1: MFN?1/2 binding, and a second is a GTPase domain whose cleavage of GTP is necessary for membrane fusion. Overexpression of MFN1 caused perinuclear mitochondrial clustering.

Overview

Product Name	Anti-MFN1 Antibody (Monoclonal, 35M35)
Reactive Species	Human
Description	Boster Bio Anti-MFN1 Antibody (Monoclonal, 35M35) catalog # M02172-3. Tested in WB, IP applications. This antibody reacts with Human.
Application	IP, WB
Clonality	Monoclonal 35M35
Formulation	Rabbit IgG in stabilizing components, phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	Q8IWA4

Technical Details

Immunogen	Recombinant protein within Human Mitofusin 1 aa 493-618.
Form	Liquid
Concentration	500 ug/ml
Purification	Protein A affinity purified.

Suggested Dilutions

Western blot, 1:500-2000
ImmunoPrecipitation, 1:50

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