

Anti-Mitofusin 1 MFN1 Antibody Picoband® (monoclonal, 3H3) Biotin Conjugated

Catalog Number: M02172-1-Biotin

About MFN1

Mitofusin-1 is a protein that in humans is encoded by the MFN1 gene. It is an 8090 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 MFN2, and to undergo ubiquitination by MARCH5. MFN1 has two key domains. One is a coiledcoil region that mediates MFN1: MFN1/2 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-Mitofusin 1 MFN1 Antibody Picoband® (monoclonal, 3H3) Biotin Conjugated |
| Reactive Species | Human |
| Application | WB, IHC, ELISA |
| Clonality | Monoclonal 3H3 |
| Formulation | Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na ₂ HPO ₄ , 0.02% NaN ₃ . |
| Storage Instructions | At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. |
| Host | Mouse |
| Uniprot ID | Q8IWA4 |

Technical Details

| | |
|------------------|---|
| Immunogen | A synthetic peptide corresponding to a sequence at the N-terminal of human Mitofusin 1, different from the related mouse and rat sequences by one amino acid. |
| Cross Reactivity | No cross-reactivity with other proteins. |
| Isotype | Mouse IgG2b |
| Form | Liquid |
| Concentration | 0.5 mg/mL |
| Purification | Immunogen affinity purified. |
| Conjugate | Biotin |

Suggested Dilutions

Western blot, Optimal dilutions should be determined by end users.
Immunohistochemistry (Paraffin-embedded Section), Optimal dilutions should be determined by end users.
ELISA, Optimal dilutions should be determined by end users.

Submit a product review to Biocompare.com

Submit a review of this product to Biocompare.com to receive a \$20 Amazon.com giftcard! Your reviews help your fellow scientists make the right decisions. Thank you for your contribution.



Anti-Mitofusin 1 MFN1 Antibody (monoclonal, 3H3) - Biotin

For Research Use Only. Not for use in diagnostic procedures.