



Mitofilin (Heart Muscle Protein HMP, HMP, HMP PEN, IMMT, Mitochondrial Inner Membrane Protein, p87, p87/p89, p89, Proliferation Inducing Gene 4 Protein, PIG4)

Catalog number

M3993-20

Supplier

United States Biological

Mitofilin is one of the most abundant mitochondrial proteins in the human heart. It appears to play an important role in the maintenance of cristae morphology. Mitofilin was originally described as heart muscle protein (HMP) because of its high expression in the heart. Mitochondria are the center of cellular energy production and essential metabolic reactions.

Applications

Suitable for use in Immunofluorescence, Immunohistochemistry and Western Blot. Other applications not tested.

Recommended Dilutions

Immunofluorescence (IC): 1:500

Immunohistochemistry: Paraffin sections

Western Blot: 1:2000

Optimal dilutions to be determined by the researcher.

Positive Controls

HeLa whole cell lysate, canine testis

Storage and Stability

May be stored at 4°C for short-term only. Aliquot to avoid repeated freezing and thawing. Store at -20°C. Aliquots are stable for 12 months. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.

Immunogen

Recombinant protein corresponding to human Mitofilin. Cellular Localization: Mitochondria

Formulation

Supplied as a liquid, 0.05% sodium azide.

Purity

Serum

Specificity

Recognizes human Mitofilin. Species Crossreactivity: mouse, rat, canine and feline.

Product Type



Pab

Source

human

Isotype

IgG

Grade

Serum

Applications

IF IHC WB

Crossreactivity

Ca Fe Hu Mo Rt

Storage

-20°C

Reference

1. Odgren, PR, et al. Molecular characterization of mitofilin (HMP), a mitochondria-associated protein with predicted coiled coil and intermembrane space targeting domains. J Cell Sci;109 (9):2253-64. 1996 Sep.