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Recombinant Anti-Mitofilin Rabbit mAb

Catalog # AP95002

Product Information

Application	WB, IHC, FC, IF/IC
Primary Accession	Q16891
Reactivity	Human
Host	Rabbit
Clonality	Monoclonal
Calculated MW	83678

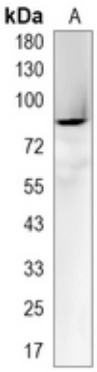
Additional Information

Gene ID	10989
Other Names	HMP; MINOS2; Mitochondrial inner membrane protein; Cell proliferation-inducing gene 4/52 protein; Mitofilin; p87/89
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within human Mitofilin protein. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) IHC~~1:100~500 FC~~1:10~50 IF/IC~~N/A
Format	Liquid in PBS, pH 7.3, 50% glycerol, 0.05% BSA, and 0.05% Proclin300.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

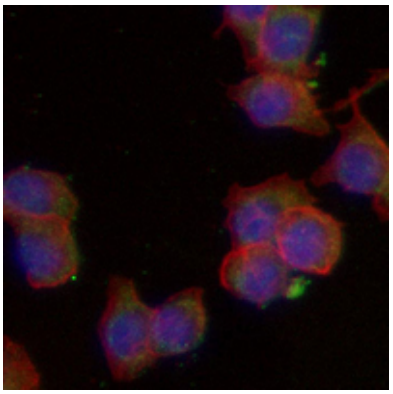
Protein Information

Name	IMMT
Synonyms	HMP, MIC60, MINOS2
Function	Component of the MICOS complex, a large protein complex of the mitochondrial inner membrane that plays crucial roles in the maintenance of crista junctions, inner membrane architecture, and formation of contact sites to the outer membrane (PubMed:22114354, PubMed:25781180, PubMed:32567732, PubMed:33130824). Plays an important role in the maintenance of the MICOS complex stability and the mitochondrial cristae morphology (PubMed:22114354, PubMed:25781180, PubMed:32567732, PubMed:33130824).
Cellular Location	Mitochondrion inner membrane; Single-pass membrane protein. Mitochondrion

Images



Western blot analysis of Mitofilin expression in HeLa (A) whole cell lysates. (Predicted band size: 83 kD; Observed band size: 84 kD)



Immunofluorescent analysis of Mitofilin staining in HeLa cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a hidified chamber. Cells were washed with PBST and incubated with an AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.