

Mitochondrial Fission 1 Protein Rabbit mAb

Catalog # AP78101

Product Information

Application	WB, IHC-P, IF, ICC
Primary Accession	Q9Y3D6
Reactivity	Human
Host	Rabbit
Clonality	Monoclonal Antibody
Isotype	IgG
Conjugate	Unconjugated
Immunogen	A synthesized peptide derived from human TTC11
Purification	Affinity Chromatography
Calculated MW	16938

Additional Information

Gene ID	51024
Other Names	FIS1
Dilution	WB~~1/500-1/1000 IHC-P~~N/A IF~~1:50~200 ICC~~N/A
Format	Liquid in 10mM PBS, pH 7.4, 150mM sodium chloride, 0.05% BSA, 0.02% sodium azide and 50% glycerol.
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

Protein Information

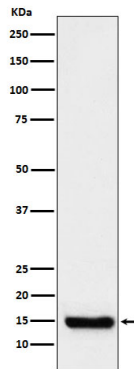
Name	FIS1
Synonyms	TTC11
Function	Involved in the fragmentation of the mitochondrial network and its perinuclear clustering (PubMed: 12783892 , PubMed: 12861026 , PubMed: 14996942 , PubMed: 23283981). Plays a minor role in the recruitment and association of the fission mediator dynamin-related protein 1 (DNM1L) to the mitochondrial surface and mitochondrial fission (PubMed: 12861026 , PubMed: 16118244 , PubMed: 23283981 , PubMed: 23530241 , PubMed: 24196833). May not be essential for the assembly of functional fission complexes and the subsequent membrane scission event (PubMed: 23530241 , PubMed: 24196833). Also mediates peroxisomal fission (PubMed: 16107562). May act when the products of fission are directed toward mitochondrial homeostasis, mitophagy, or apoptosis (PubMed: 24196833). Can induce cytochrome c release from the

mitochondrion to the cytosol, ultimately leading to apoptosis (PubMed:[12783892](#)).

Cellular Location

Mitochondrion outer membrane; Single-pass membrane protein. Peroxisome membrane; Single-pass membrane protein

Images



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