

**Mitochondrial Fission 1 Protein Rabbit mAb**  
Catalog # AP76211**Specification****Mitochondrial Fission 1 Protein Rabbit mAb - Product Information**

Application	WB, IHC, IF
Primary Accession	<a href="#">Q9Y3D6</a>
Reactivity	Human
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	16938

**Mitochondrial Fission 1 Protein Rabbit mAb - Additional Information**

Gene ID 51024

**Other Names**

FIS1

**Dilution**

WB~~1/500-1/1000

IHC~~1/50-1/100

IF~~1/50-1/200

**Format**

Liquid

**Mitochondrial Fission 1 Protein Rabbit mAb - Protein Information**

Name FIS1

Synonyms TTC11

**Function**

Involved in the fragmentation of the mitochondrial network and its perinuclear clustering (PubMed: [12783892](http://www.uniprot.org/citations/12783892)), PubMed: [12861026](http://www.uniprot.org/citations/12861026), PubMed: [14996942](http://www.uniprot.org/citations/14996942), PubMed: [23283981](http://www.uniprot.org/citations/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](http://www.uniprot.org/citations/12861026), PubMed: [16118244](http://www.uniprot.org/citations/16118244), PubMed: [23283981](http://www.uniprot.org/citations/23283981), PubMed: [23530241](http://www.uniprot.org/citations/23530241), PubMed: [24196833](http://www.uniprot.org/citations/24196833)). May not be essential for the assembly of functional fission complexes and the subsequent membrane scission event (PubMed: [23530241](http://www.uniprot.org/citations/23530241))

target="\_blank">23530241</a>, PubMed:<a href="http://www.uniprot.org/citations/24196833" target="\_blank">24196833</a>). Also mediates peroxisomal fission (PubMed:<a href="http://www.uniprot.org/citations/16107562" target="\_blank">16107562</a>). May act when the products of fission are directed toward mitochondrial homeostasis, mitophagy, or apoptosis (PubMed:<a href="http://www.uniprot.org/citations/24196833" target="\_blank">24196833</a>). Can induce cytochrome c release from the mitochondrion to the cytosol, ultimately leading to apoptosis (PubMed:<a href="http://www.uniprot.org/citations/12783892" target="\_blank">12783892</a>).

#### Cellular Location

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

#### Mitochondrial Fission 1 Protein Rabbit mAb - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

#### Mitochondrial Fission 1 Protein Rabbit mAb - Images



