

Fis1 Antibody
Rabbit Polyclonal Antibody
Catalog # ABV10361**Specification**

Fis1 Antibody - Product Information

Application	WB, IHC, IF, IP
Primary Accession	O9Y3D6
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	16938

Fis1 Antibody - Additional Information**Gene ID** 51024

Positive Control	IHC: Tonsil tissue
Application & Usage	Western blotting (1:100-500), immunoprecipitation (1:50-200), Immunohistochemistry (1:100) and immunofluorescence (1:20-100). However, the optimal concentrations should be determined individually. The antibody recognizes Fis1 of human, mouse, and rat origins.

Other Names

hFis1 , TTC11 , H_NH0132A01.6 , CGI-135

Target/Specificity

Fis1

Antibody Form

Liquid

Appearance

Colorless liquid

Formulation

100 µl purified rabbit polyclonal antibody in phosphate-buffered saline (PBS) containing 20% glycerol, 0.2% BSA, and 0.01% thimerosal.

Handling

The antibody solution should be gently mixed before use.

Reconstitution & Storage

-20 °C

Background Descriptions

Precautions

Fis1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Fis1 Antibody - 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)), PubMed: [24196833](http://www.uniprot.org/citations/24196833)). Also mediates peroxisomal fission (PubMed: [16107562](http://www.uniprot.org/citations/16107562)). May act when the products of fission are directed toward mitochondrial homeostasis, mitophagy, or apoptosis (PubMed: [24196833](http://www.uniprot.org/citations/24196833)). Can induce cytochrome c release from the mitochondrion to the cytosol, ultimately leading to apoptosis (PubMed: [12783892](http://www.uniprot.org/citations/12783892)).

Cellular Location

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

Fis1 Antibody - 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](#)

Fis1 Antibody - Images

Fis1 Antibody - Background

hFis1 is a novel molecule that was discovered as part of the mammalian fission machinery. Fis 1 has been suggested to play a role in regulation of the fission processes that might be involved in apoptotic mechanisms.