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Fis1 Antibody
Rabbit Polyclonal Antibody
Catalog # ABV10362

Specification

Fis1 Antibody - Product Information

Application	**WB**
Primary Accession	Q9Y3D6
Reactivity	**Human, Mouse, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**16938**

Fis1 Antibody - Additional Information

Gene ID 51024

Application & Usage	**Western blotting (1-4 µg/ml). Per research's feedback, the antibody can also be used in immunofluorescence. 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 µg (0.5 mg/ml) affinity purified rabbit polyclonal antibody in phosphate-buffered saline (PBS) containing 30% glycerol, 0.5% 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, 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

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 Cytomety
- 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 s µggested to play a role in regulation of the fission processes that might be involved in apoptotic mechanisms.