

FIS1 Antibody (aa11-25)
Rabbit Polyclonal Antibody
Catalog # ALS14595**Specification**

FIS1 Antibody (aa11-25) - Product Information

Application	WB
Primary Accession	O9Y3D6
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	17kDa KDa

FIS1 Antibody (aa11-25) - Additional Information**Gene ID** 51024**Other Names**

Mitochondrial fission 1 protein, FIS1 homolog, hFis1, Tetratricopeptide repeat protein 11, TPR repeat protein 11, FIS1, TTC11

Target/Specificity

A peptide corresponding to amino acids 11-25 of human Fis1 protein was used as the immunogen.

Reconstitution & Storage

Long term: -20°C; Short term: +4°C; Avoid freeze-thaw cycles.

Precautions

FIS1 Antibody (aa11-25) is for research use only and not for use in diagnostic or therapeutic procedures.

FIS1 Antibody (aa11-25) - 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: [23283981](http://www.uniprot.org/citations/23283981)).

href="http://www.uniprot.org/citations/23530241" target="_blank">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

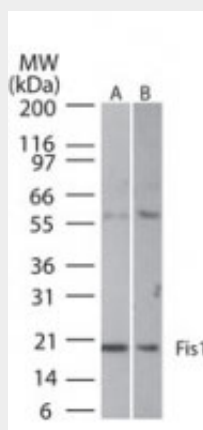
Mitochondrion outer membrane; Single-pass membrane protein. Peroxisome membrane; Single-pass membrane protein

FIS1 Antibody (aa11-25) - 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 (aa11-25) - Images



Western blot of Fis1 in A) HeLa and B) NIH 3T3 cell lysate using antibody at 1:1000 dilution.

FIS1 Antibody (aa11-25) - Background

Involved in the fragmentation of the mitochondrial network and its perinuclear clustering. 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. Can induce cytochrome c release from the mitochondrion to the cytosol, ultimately leading to apoptosis. Also mediates peroxisomal fission.

FIS1 Antibody (aa11-25) - References

Lai C.-H.,et al.Genome Res. 10:703-713(2000).
Hillier L.W.,et al.Nature 424:157-164(2003).
Bienvenut W.V.,et al.Submitted (JUN-2005) to UniProtKB.
James D.I.,et al.J. Biol. Chem. 278:36373-36379(2003).
Yoon Y.,et al.Mol. Cell. Biol. 23:5409-5420(2003).