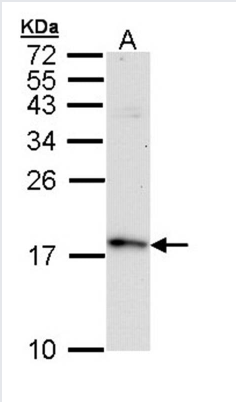
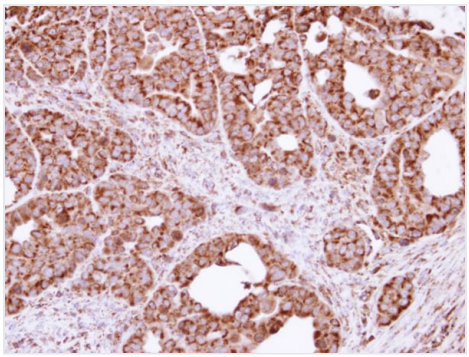
FIS1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

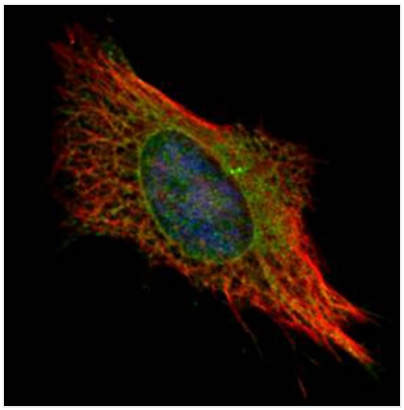
Product Name	FIS1, Polyclonal Antibody
Full Product Name	FIS1 antibody
Product Gene Name	anti-FIS1 antibody
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied in 0.1M Tris-buffered saline with 10% Glycerol (pH7.0). 0.01% Thimerosal was added as a preservative.
Purity/Purification	Purified by antigen-affinity chromatography.
Preparation and Storage	Store at -20 degree C for long term preservation (recommended). Store at 4 degree C for short term use.
Molecular Weight	16,938 Da
OMIM	609003
Immunogen Type	Recombinant protein
Immunogen Description	Recombinant protein fragment contain a sequence corresponding to a region within amino acids 1 and 122 of FIS1
Target Name	FIS1
Product Categories/Family for anti-FIS1 antibody	Total protein Ab
Applications Tested/Suitable for anti-FIS1 antibody	Western Blot (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)
Application Notes for anti-FIS1 antibody	Western blotting: 1:500-1:3000 Immunohistochemistry: 1:100-1:500 Immunofluorescence: 1:100-1:200
Related Product Information for anti-FIS1 antibody	The balance between fission and fusion regulates the morphology of mitochondria. TTC11 is a component of a mitochondrial complex that promotes mitochondrial fission (James et al., 2003 [PubMed 12783892]).[supplied by OMIM]
Other Notes	Small volumes of anti-FIS1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for FIS1 purchase	MBS9409098 is an antibody targeting FIS1. Also known as FIS1 antibody. Reactive in Human. Host: Rabbit.



Testing Data of anti-FIS1 antibody
Sample (30 ug of whole cell lysate) A: Raji 15% SDS PAGE Primary antibody diluted at 1: 10000



Immunohistochemistry (IHC) of anti-FIS1 antibody
Immunohistochemical analysis of paraffin-embedded NCIN87 xenograft, using FIS1 antibody at 1: 100 dilution.



Immunofluorescence (IF) of anti-FIS1 antibody
Confocal immunofluorescence analysis (Olympus FV10i) of methanol-fixed HeLa, using TTC11 antibody (Green) at 1: 1000 dilution and alpha-tubulin antibody (Red) at 1: 2000.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for FIS1. It may not necessarily be applicable to this product.

NCBI GI #	151108473
NCBI GeneID	51024
NCBI Accession #	NP_057152
UniProt Secondary Accession #	Q9BTP3
UniProt Related Accession #	Q9Y3D6
GenBank Nucleotide #	NM_016068.2
NCBI Official Full Name	mitochondrial fission 1 protein
NCBI Official Synonym Full Names	fission, mitochondrial 1
NCBI Official Symbol	FIS1
NCBI Official Synonym Symbols	TTC11; CGI-135
UniProt Protein Name	Mitochondrial fission 1 protein
UniProt Synonym Protein Names	FIS1 homolog; hFis1; Tetratricopeptide repeat protein 11; TPR repeat protein 11
Protein Family	Mitochondria fission 1 protein
UniProt Gene Name	FIS1

UniProt Synonym Gene Names	TTC11; hFis1; TPR repeat protein 11
UniProt Entry Name	FIS1_HUMAN
NCBI Protein Information	mitochondrial fission 1 protein
UniProt Comments for FIS1	FIS1: Promotes the fragmentation of the mitochondrial network and its perinuclear clustering. Can induce cytochrome c release from the mitochondrion to the cytosol, ultimately leading to apoptosis. Also mediates peroxisomal fission. Belongs to the FIS1 family. Protein type: Membrane protein, integral; Mitochondrial Chromosomal Location of Human Ortholog: 7q22.1 Cellular Component: integral to peroxisomal membrane; protein complex; membrane; mitochondrion; peroxisome; integral to mitochondrial outer membrane Molecular Function: protein binding; receptor binding Biological Process: peroxisome fission; mitochondrial fission; release of cytochrome c from mitochondria; elevation of cytosolic calcium ion concentration; mitochondrial fusion; reduction of endoplasmic reticulum calcium ion concentration; mitochondrion degradation; positive regulation of caspase activity; mitochondrial fragmentation during apoptosis; protein targeting to mitochondrion; protein homooligomerization; elevation of mitochondrial calcium ion concentration
Research Articles on FIS1	**1.** Study revealed that a novel mitochondrial fission pathway composed of miR-483-5p and FIS1 regulates cisplatin sensitivity.
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