

Rabbit FIS1 Polyclonal Antibody | anti-FIS1 antibody

FIS1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA322832	Rabbit	Human, Mouse, Rat	Immunohistochemistry, Western Blot

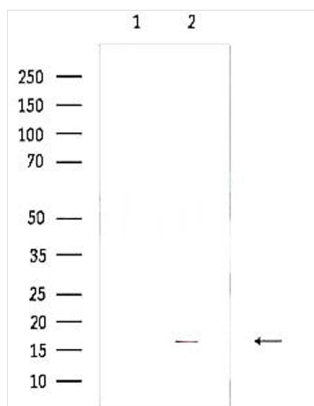
PRODUCT SYNONYMS

FIS1; Polyclonal Antibody; FIS1 Antibody; 2010003O14Rik; CGI 135; CGI135; FIS 1; Fis1 homolog; S. cerevisiae; homolog of; FIS1_HUMAN; Fission 1 (mitochondrial outer membrane) homolog (S. cerevisiae); Fission 1 (mitochondrial outer membrane) homolog (yeast); Fission 1 (mitochondrial outer membrane) homolog; Fission 1 homolog; H NH0132A01.6; hFis 1; hFis1; Mitochondrial fission 1 protein; mitochondrial fission molecule; Tetratricopeptide repeat domain 11; Tetratricopeptide repeat protein 11; TPR repeat protein 11; TTC 11; anti-FIS1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	FIS1 antibody detects endogenous levels of FIS1.
Purity/Purification	Purified by peptide affinity chromatography using SulfoLink Coupling Resin
Form/Format	Phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	~1mg/ml (varies by lot)
Sequence Length	152
Applicable Applications for anti-FIS1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human FIS1, corresponding to a region within the internal amino acids.
Preparation and Storage	Store at -20 degree C.

IMAGES



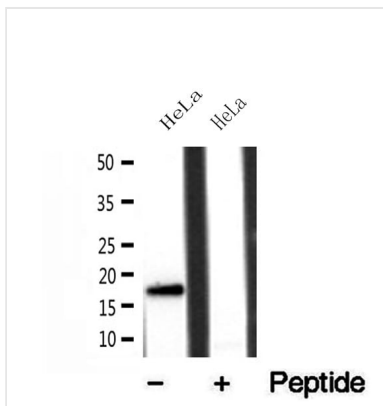
WB (Western Blot)

Western blot analysis of extracts from HeLa cells, using FIS1 Ab. The lane on the left was treated with blocking peptide.



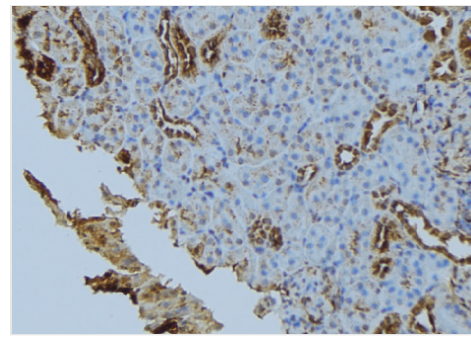
IHC (Immunohistochemistry)

AAA322832 at 1/100 staining Mouse heart tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary Ab at 4°C overnight. An HRP conjugated anti-Rabbit Ab was used as the secondary Ab.



WB (Western Blot)

Western blot analysis of extracts of HeLa cells, using FIS1 antibody.



IHC (Immunohistochemistry)

AAA322832 at 1/100 staining Mouse kidney tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-FIS1 antibody

Function: 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.

Subunit Structure: Interacts with DNM1L/DLP1 through the TPR region. Interacts with MARCH5. Interacts with MIEF1. Interacts with PEX11A, PEX11B and PEX11G (PubMed:20826455).

Post-translational Modifications: Ubiquitinated by MARCH5.

Similarity: The C-terminus is required for mitochondrial or peroxisomal localization, while the N-terminus is necessary for mitochondrial or peroxisomal fission, localization and regulation of the interaction with DNM1L.

Belongs to the FIS1 family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	151108473
NCBI GeneID	51024
NCBI Accession #	NP_057152.2
NCBI GenBank Nucleotide #	NM_016068.2
UniProt Accession #	Q9Y3D6; Q9BTP3
Molecular Weight	17 kDa
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
NCBI Protein Information	mitochondrial fission 1 protein
UniProt Protein Name	Mitochondrial fission 1 protein
UniProt Gene Name	FIS1
UniProt Synonym Gene Names	TTC11; hFis1; TPR repeat protein 11

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/fis1-antibody-immunohistochemistry-western-blot-elisa/322832>