

Rabbit anti-Human, Rat TTC11/FIS1 Polyclonal Antibody | anti-FIS1 antibody

Anti-TTC11/FIS1 Antibody Picoband

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA19439	Rabbit	Human, Rat	Western Blot, Immunohistochemistry, Immunocytochemistry, Immunofluorescence, ELISA

PRODUCT SYNONYMS

TTC11/FIS1; Polyclonal Antibody; Anti-TTC11/FIS1 Antibody Picoband; anti-FIS1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml. (varies by lot)
Applicable Applications for anti-FIS1 antibody	WB (Western Blot), IHC (Immunohistochemistry), ICC (Immunocytochemistry), IF (Immunofluorescence), ELISA
Application Notes	WB: 0.25-0.5 ug/ml, Human IHC-P: 2-5 ug/ml, Human, Rat ICC/IF: 5 ug/ml, Human Direct ELISA: 0.1-0.5 ug/ml, Human Tested Species: In-house tested species with positive results. Enhanced Chemiluminescent Kit with anti-Rabbit IgG for Western blot, and HRP Conjugated anti-Rabbit IgG Super Vision Assay Kit for IHC(P) and ICC.
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Immunogen	E Coli-derived human TTC11/FIS1 recombinant protein (Position: E18-S152).
Preparation and Storage	Store at -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months. Avoid repeated freezing and thawing.



IF (Immunofluorescence)

Figure 8. IF analysis of TTC11/FIS1 using anti-TTC11/FIS1 antibody (AAA19439).TTC11/FIS1 was detected in an immunocytochemical section of MCF-7 cells. Enzyme antigen retrieval was performed using IHC enzyme antigen retrieval reagent (AR0022) for 15 mins. The cells were blocked with 10% goat serum. And then incubated with 5 ug/mL rabbit anti-TTC11/FIS1 Antibody (AAA19439) overnight at 4 degree C. DyLight488 Conjugated Goat Anti-Rabbit IgG was used as secondary antibody at 1:100 dilution and incubated for 30 minutes at 37 degree C. The section was counterstained with DAPI. Visualize using a fluorescence microscope and filter sets appropriate for the label used.



IHC (Immunohistochemistry)

Figure 7. IHC analysis of TTC11/FIS1 using anti-TTC11/FIS1 antibody (AAA19439).TTC11/FIS1 was detected in a paraffin-embedded section of human poison impregnated thyroid gland tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-TTC11/FIS1 Antibody (AAA19439) overnight at 4 degree C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit with DAB as the chromogen.



IHC (Immunohistochemistry)

Figure 6. IHC analysis of TTC11/FIS1 using anti-TTC11/FIS1 antibody (AAA19439).TTC11/FIS1 was detected in a paraffin-embedded section of rat gaster tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-TTC11/FIS1 Antibody (AAA19439) overnight at 4 degree C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit with DAB as the chromogen.



IHC (Immunohistochemistry)

Figure 5. IHC analysis of TTC11/FIS1 using anti-TTC11/FIS1 antibody (AAA19439).TTC11/FIS1 was detected in a paraffin-embedded section of human placenta tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-TTC11/FIS1 Antibody (AAA19439) overnight at 4 degree C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit with DAB as the chromogen.



IHC (Immunohistochemistry)

Figure 4. IHC analysis of TTC11/FIS1 using anti-TTC11/FIS1 antibody (AAA19439).TTC11/FIS1 was detected in a paraffin-embedded section of human liver cancer tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-TTC11/FIS1 Antibody (AAA19439) overnight at 4 degree C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit with DAB as the chromogen.



IHC (Immunohistochemistry)

Figure 3. IHC analysis of TTC11/FIS1 using anti-TTC11/FIS1 antibody (AAA19439).TTC11/FIS1 was detected in a paraffin-embedded section of human laryngeal squamous cell carcinomas tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-TTC11/FIS1 Antibody (AAA19439) overnight at 4 degree C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit with DAB as the chromogen.

ADDITIONAL INFORMATION

Related Product Information for anti-FIS1 antibody	Mitochondrial fission 1 protein (FIS1) is a protein that in humans is encoded by the FIS1 gene on chromosome 7. It is mapped to 7q22.1. The balance between fission and fusion regulates the morphology of mitochondria. TTC11 is a component of a mitochondrial complex that promotes mitochondrial fission. Its role in mitochondrial fission thus implicates it in the regulation of mitochondrial morphology, the cell cycle, and apoptosis. By extension, the protein is involved in associated diseases, including neurodegenerative diseases and cancers.
Product Categories/Family for anti-FIS1 antibody	Primary Antibodies, Rabbit Polyclonal Antibodies

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
NCBI Official Full Name	mitochondrial fission 1 protein
NCBI Official Synonym Full Names	fission 1 (mitochondrial outer membrane) homolog (S. cerevisiae)
NCBI Official Symbol	FIS1
NCBI Official Synonym Symbols	TTC11; CGI-135
NCBI Protein Information	mitochondrial fission 1 protein; FIS1 homolog; H_NH0132A01.6; TPR repeat protein 11; hFis1; tetratricopeptide repeat domain 11; tetratricopeptide repeat protein 11
UniProt Protein Name	Mitochondrial fission 1 protein
UniProt Gene Name	FIS1
UniProt Synonym Gene Names	TTC11; hFis1; TPR repeat protein 11
UniProt Entry Name	FIS1_HUMAN

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/ttc11-fis1-antibody-western-blot-immunohistochemistry-immunocytochemistry-immunofluorescence-elisa/19439>