

Mouse anti-Human TTC11 Monoclonal Antibody | anti-TTC11 antibody

TTC11 antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA48952	Mouse	Human	Immunofluorescence, Immunocytochemistry, Western Blot, ELISA

PRODUCT SYNONYMS

TTC11; Monoclonal Antibody; TTC11 antibody; Tetratricopeptide repeat domain 11; FIS1; Tetratricopeptide repeat domain 11 2010003O14Rik; CGI 135; CGI135; FIS 1; Fis1 homolog; S; cerevisiae; homolog of; Fission 1 (mitochondrial outer membrane) homolog; Fission 1 (mitochondrial outer membrane) homolog (S; cerevisiae); Fission 1 (mitochondrial outer membrane) homolog (yeast) Fission 1 homolog; H NH0132A01.6; hFis 1; hFis1; Mitochondrial fission 1 protein; Tetratricopeptide repeat protein 11; TPR repeat protein 11; TTC 11.; anti-TTC11 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1, k
Clone Number	AT3B7
Purity/Purification	By protein-A affinity chromatography
Form/Format	Liquid. In phosphate-buffered saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol.
Concentration	1 mg/ml (varies by lot)
Sequence Length	152
Applicable Applications for anti-TTC11 antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot), ELISA
Antigen Species	Human
Immunogen	Recombinant human TTC11 (1-122aa) purified from E. coli.
Clone Note	Anti-human TTC11 mAb, clone AT3B7, is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with a recombinant human TTC11 protein.
Preparation and Storage	Can be stored at 4 degree C. For long term storage, aliquot and store at -20 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



IF (Immunofluorescence)

ICC/IF analysis of TTC11 in HaLa cells. The cell was stained with ATGA0490 (1:100). The secondary antibody (green) was used Alexa Fluor 488. DAPI was stained the cell nucleus (blue).



WB (Western Blot)

The cell lysates (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human TTC11 antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Lane 1.: HeLa cell lysate Lane 2.: MCF7 cell lysate The cell lysates (20ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human TTC11 antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Lane 1.: 293T cell lysate Lane 2.: TTC11 transfected 293T cell lysate

ADDITIONAL INFORMATION

Related Product Information for anti-TTC11 antibody	TTC11 is a component of a mitochondrial complex that promotes mitochondrial fission. This protein can induce cytochrome C release from the mitochondrion to the cytosol, ultimately leading to apoptosis. It is also involved in peroxisomal growth and division. The C terminus is required for mitochondrial localisation, while the N terminus is necessary for mitochondrial fission.
Product Categories/Family for anti-TTC11 antibody	Apoptosis
References	Martinou JC., et al. (2003) J Biol Chem. 278 (38): 36373-9. ; Yoon Y., et al. (2008) Exp Cell Res. 314 (19): 3494-507.

NCBI AND UNIPROT INFORMATION

NCBI GI #	151108473
NCBI GeneID	51024
NCBI Accession #	NP_057152
NCBI GenBank Nucleotide #	NM_016068.2
UniProt Accession #	Q9Y3D6; Q9BTP3
Molecular Weight	16,938 Da
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.