10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

TTC11 Antibody

Rabbit mAb
Catalog # AP92009

Product Information

Application	WB, IHC, IF, ICC, IHF
Primary Accession	Q9Y3D6
Reactivity	Human, Bovine
Clonality	Monoclonal
Other Names	CGI135; FIS1; hFis1; TTC 11;
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	16938

Additional Information

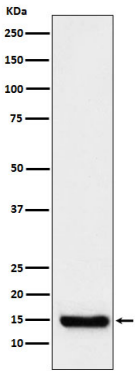
Dilution	WB 1:500~1:2000 IHC 1:50~1:200 ICC/IF 1:50~1:200
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human TTC11
Description	Promotes the fragmentation of the mitochondrial network and its perinuclear clustering. Can induce cytochrome c release from the mitochondrion to the cytosol, ultimately leading to apoptosis. Also mediates peroxisomal fission.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Protein Information

Name	FIS1
Synonyms	TTC11
Function	Involved in the fragmentation of the mitochondrial network and its perinuclear clustering (PubMed:12783892, PubMed:12861026, PubMed:14996942, PubMed: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, PubMed:16118244, PubMed:23283981, PubMed: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

Images



Western blot analysis of TTC11 expression in Raji cell lysate.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.