

Product datasheet for **TA336435**

TTC11 (FIS1) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 1:500 - 1:1000, IHC-P: 1:100
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Amino acids 11-25 of human Fis1 protein were used as the immunogen.
Formulation:	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Concentration:	lot specific
Purification:	Whole antisera
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	fission, mitochondrial 1
Database Link:	NP_057152 Entrez Gene 66437 Mouse Entrez Gene 288584 Rat Entrez Gene 51024 Human Q9Y3D6

Background: Principal Names: CGI-135, Fis1, Fis1 homolog, H_NH0132A01.6, tetratricopeptide repeat domain 11, TPR repeat protein 11 ; Claudin 15; CLDN15; TTC11 Official Gene Symbol: TTC11 Gene ID: 51024 (Human) Gene Map Locus: 7q22.1 (Human) Fis1, a 17KDa integral membrane protein, is a novel member of mitochondrial fission machinery. It consists of a central leucine-zipper domain, a coiled-coil region, a tetratricopeptide repeat domain and a C-terminal transmembrane domain. It is a human orthologue of Fis1p (*S.cerevisiae*) and is localized in the outer mitochondrial membrane. Fis1 acts as a pro-apoptotic factor and plays a vital role in the regulation of mitochondrial fission. It interacts with DLP1 and Mdv1p and facilitates Dnm1p recruitment to the functional fission complex, thereby inducing apoptosis. Role of Fis1 has also been implicated in growth and division of peroxisomes. Loss of Fis1 inhibits apoptosis and results in elongation of mammalian mitochondria.



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Synonyms: CGI-135; TTC11

Note: Immunohistochemistry (paraffin): See Wang et al, 2009 for details.

Protein Families: Transmembrane