Data Sheet (Cat.No.TMAC-04146)

Anti-FIS1 Antibody (5I637)

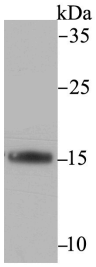
Product Details

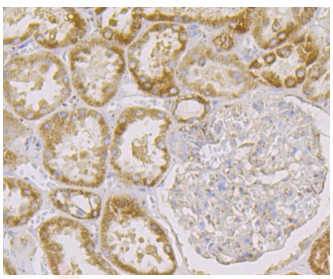
Ig Type:	IgG
Reactivity:	Human
Conjugation:	Unconjugated
Molecular Weight:	Theoretical: 17 kDa.
Clone:	5I637
Purification:	ProA affinity purified

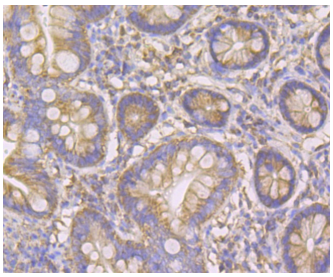
Applications

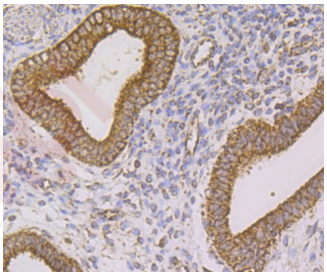
Verified Activity:

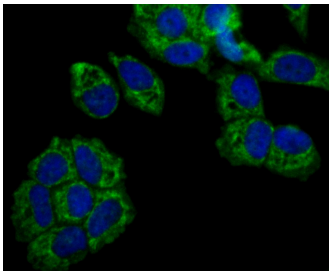
1. Western blot analysis of TTC11 on SK-Br-3 cell using anti-TTC11 antibody at 1/2,000 dilution.
2. Immunohistochemical analysis of paraffin-embedded human kidney tissue using anti-TTC11 antibody. Counter stained with hematoxylin.
3. Immunohistochemical analysis of paraffin-embedded human small intestine tissue using anti-TTC11 antibody. Counter stained with hematoxylin.
4. Immunohistochemical analysis of paraffin-embedded human uterus tissue using anti-TTC11 antibody. Counter stained with hematoxylin.
5. ICC staining TTC11 in MCF-7 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.
6. ICC staining TTC11 in SH-SY-5Y cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.
7. ICC staining TTC11 in SK-Br-3 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

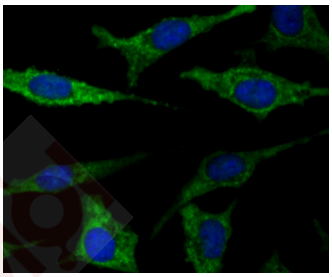


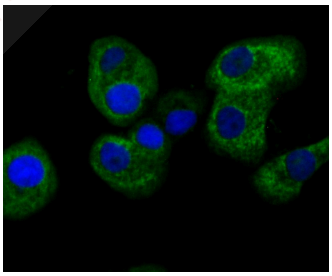












Application:	ICC,IF,IHC,WB
Recommended	WB: 1:500-2000; IHC: 1:50-200; ICC: 1:50-200

Properties

Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Uniprot ID:	Q9Y3D6
Synonyms:	TTC11;hFis1;TPR Repeat Protein 11;CGI-135;Tetratricopeptide Repeat Protein 11;Mitochondrial Fission 1 Protein;FIS1;FIS1 Homolog

Research Background

Fis1 localizes to the outer mitochondrial membrane and, along with dynamin-related protein (Drp1), participates in mitochondrial fission. Fission and fusion mechanisms regulate mitochondrial morphology within the cell. Fission frequency is determined by the level of Fis1 molecules at the mitochondrial surface. Fis1 contains a C-terminal domain, which is required for mitochondrial localization, and an N-terminal domain, which is necessary for mitochondrial fission. Fragmentation of the mitochondrial network by Fis1 leads to cytochrome c release and apoptosis. The mitochondrial fission mechanisms may be involved in positively and negatively regulating apoptosis.

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