## NKMAXBio We support you, we believe in your research

## **Human FIS1 antibody**

Catalog Number: ATGA0490

## **PRODUCT INFORMATION**

### Catalog number

ATGA0490

#### Clone No.

AT3B7

### **Product type**

Monoclonal Antibody

#### UnitProt No.

Q9Y3D6

#### **NCBI Accession No.**

NP 057152

#### **Alternative Names**

Mitochondrial fission 1 protein, FIS1 homolog, hFis1, Tetratricopeptide repeat protein 11, TPR repeat protein 11, TTC11, CGI-135 protein

## **PRODUCT SPECIFICATION**

### **Antibody Host**

Mouse

#### **Reacts With**

Human

#### **Concentration**

1mg/ml (determined by BCA assay)

### **Formulation**

Liquid in. Phosphate-Buffered Saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol

## **Immunogen**

Recombinant human TTC11 (1-122aa) purified from E. coli.

## Isotype

IgG1 kappa

### **Purification Note**

By protein-A affinity chromatography

## **Application**

ELISA, WB, ICC/IF

#### Usage

The antibody has been tested by ELISA, Western blot analysis and ICC/IF to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results.



# NKMAXBio We support you, we believe in your research

## **Human FIS1 antibody**

Catalog Number: ATGA0490

### **Storage**

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## **BACKGROUND**

## **Description**

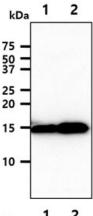
TTC11 is a component of a mitochondrial complex that promotes mitochondrial fission. This protein can induce cytochrome C release from the mitochondrion to the cytosol, ultimately leading to apoptosis. It is also involved in peroxisomal growth and division. The C terminus is required for mitochondrial localisation, while the N teminus is necessary for mitochondrial fission.

#### **General 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.

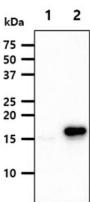
## **DATA**

### Western blot analysis (WB)



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

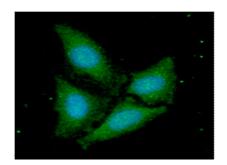
Lane 2.: TTC11 transfected 293T cell lysate

Immunocytochemistry/Immunofluorescence (ICC/IF)

## NKMAXBio We support you, we believe in your research

# **Human FIS1 antibody**

Catalog Number: ATGA0490



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).

