Product datasheet

Anti-FIS1 Antibody

Catalog Number: *A01932-2*

BOSTER
antibody and ELISA experts
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Basic Information

Product Name	Anti-FIS1 Antibody
Gene Name	FIS1
Source	Rabbit
Isotype	IgG
Species Reactivity	human, mouse, rat
Tested Application	WB, IHC, ICC/IF, FCM, ELISA
Contents	500 ug/ml antibody with PBS， 0.02% NaN3 , 1 mg BSA and 50% glycerol.
Immunogen	E.coli-derived human TTC11/FIS1 recombinant protein (Position: M1-D121).
concentration	500 ug/ml
Purification	Immunogen affinity purified.
Observed MW	17KD
Dilution Ratios	Western blot(WB): 1:500-2000 Immunohistochemistry(Paraffin-embedded Section): 1:50-400 Immunocytochemistry/Immunofluorescence(ICC/IF): 1:50-400 Flow cytometry (FCM): 1-3 µg/1x10^6 cells (ELISA)： 1:100-1000 (Boiling the paraffin sections in 10mM citrate buffer,pH6.0,or PH8.0 EDTA repair liquid for 20 mins is required for the staining of formalin/paraffin sections.) Optimal working dilutions must be determined by end user.

Storage

12 months from date of receipt，-20℃ as supplied. 6 months 2 to 8℃ after reconstitution. Avoid repeated freezing and thawing.

Background Information

Mitochondrial fission 1 protein (FIS1) is a protein that in humans is encoded by the FIS1 gene on chromosome 7. It is mapped to 7q22.1. The balance between fission and fusion regulates the morphology of mitochondria. TTC11 is a component of a mitochondrial complex that promotes mitochondrial fission. Its role in mitochondrial fission thus implicates it in the regulation of mitochondrial morphology, the cell cycle, and apoptosis. By extension, the protein is involved in associated diseases, including neurodegenerative diseases and cancers.

Reference

Anti-FIS1 Antibody被引用在1文献中。

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Selected Validation Data

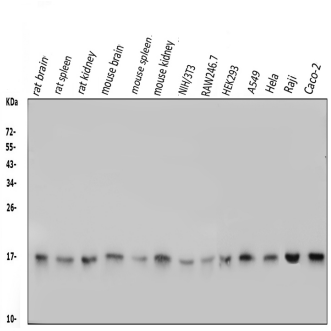

Figure 1. Western blot analysis of anti- FIS1 antibody (A01932-2). The sample well of each lane was loaded with 50ug of sample under reducing conditions.Lane 1: Rat brain tissue lysates,Lane 2: Rat spleen tissue lysates,Lane 3: Rat kidney tissue lysates,Lane 4: Mouse brain tissue lysates,Lane 5: Mouse spleen tissue lysates,Lane 6: Mouse kidney tissue lysates,Lane 7: Mouse NIH/3T3 whole cell lysates,Lane 8: Mouse RAW264.7 whole cell lysates,Lane 9: Human HEK293 whole cell lysates,Lane 10: Human A549 whole cell lysates,Lane 11: Human HELA whole cell lysates,Lane 12: Human Raji whole cell lysates,Lane 13: Human CACO-2 whole cell lysates,Use rabbit anti- FIS1 1:1000, probed with a goat anti-rabbit IgG-HRP secondary antibody. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002). A specific band was detected for FIS1 at approximately 17KD. The expected band size for FIS1 is at 17KD.

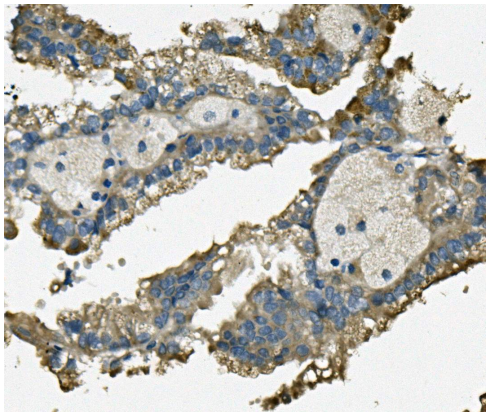

Figure 2.IHC analysis using anti-FIS1 antibody (A01932-2). detected in paraffin-embedded section of human rectal cancer tissue. Biotinylated goat anti-rabbit IgG was used as secondary antibody. The tissue section was developed using Strepavidin-Biotin-Complex (SABC) (Catalog # SA1022) with DAB as the chromogen.

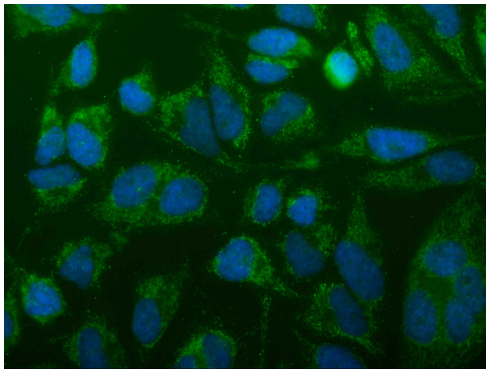

Figure 5.ICC analysis using anti-FIS1 antibody (A01932-2) was detected in immersion fixed HELA cell line . Cells were stained using the Dylight488-conjugated Anti-rabbit IgG Secondary Antibody (green)(Catalog?#?BA1127) and counterstained with DAPI (blue).

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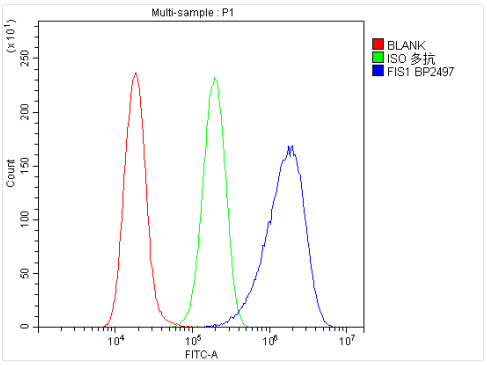

Figure 6.Flow cytometry analysis of A549 cell(1x106) DyLight 488 conjugated goat anti-rabbit IgG(blue) was used as secondary antibody.Isotype control antibody (Green line) was rabbit IgG DyLight 488. Unlabelled sample (Red line).