

For Research Use Only

# FIS1 Monoclonal antibody, PBS Only

Catalog Number: 66635-1-PBS



## Basic Information

**Catalog Number:**

66635-1-PBS

**Size:**

100ug, Concentration: 1mg/ml by Nanodrop;

**Source:**

Mouse

**Isotype:**

IgG1

**Immunogen Catalog Number:**

AG1409

**GenBank Accession Number:**

BC009428

**GeneID (NCBI):**

51024

**UNIPROT ID:**

Q9Y3D6

**Full Name:**

fission 1 (mitochondrial outer membrane) homolog (S. cerevisiae)

**Calculated MW:**

17 kDa

**Observed MW:**

15 kDa

**Purification Method:**

Protein G purification

**CloneNo.:**

2F10E1

## Applications

**Tested Applications:**

WB, IHC, IF/ICC, IP, Indirect ELISA

**Species Specificity:**

human

## Background Information

Fis1 (fission 1) is an integral mitochondrial outer membrane protein that participates in mitochondrial fission by interacting with dynamin-related protein 1 (Drp1). Excessive mitochondrial fission is associated with the pathology of a number of neurodegenerative or neurodevelopmental diseases. Increased expression of Fis1 has been found in Huntington's disease (HD)-affected brain, Alzheimer's disease (AD) patients, and autism spectrum disorder. (21257639, 21459773, 23333625)

## Storage

**Storage:**

Store at -80°C.

**Storage Buffer:**

PBS Only

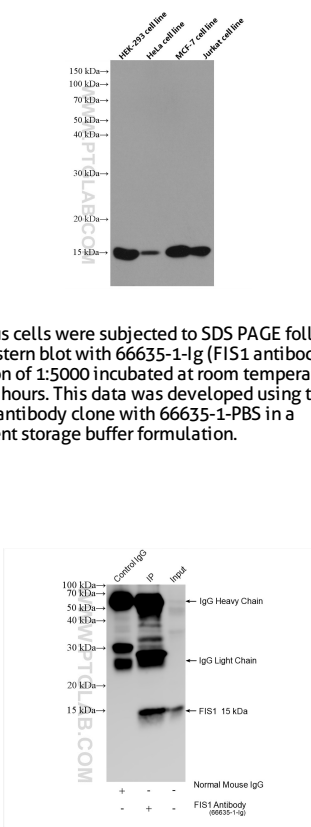
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

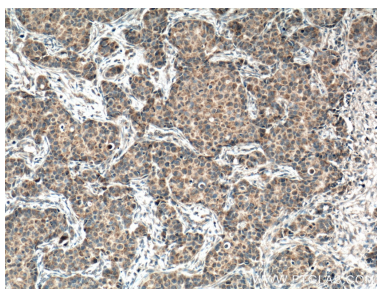
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

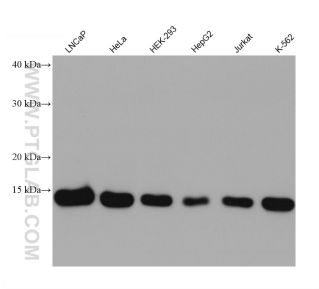
Selected Validation Data



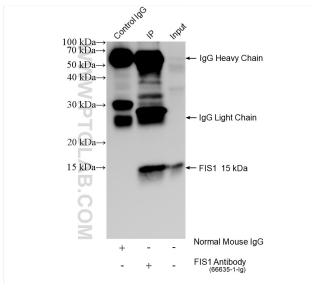
Various cells were subjected to SDS PAGE followed by western blot with 66635-1-Ig (FIS1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66635-1-PBS in a different storage buffer formulation.



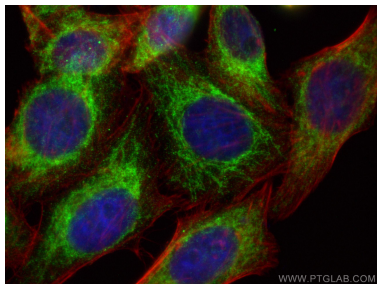
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 66635-1-Ig (FIS1 antibody) at dilution of 1:500 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0)). This data was developed using the same antibody clone with 66635-1-PBS in a different storage buffer formulation.



Various lysates were subjected to SDS PAGE followed by western blot with 66635-1-Ig (FIS1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66635-1-PBS in a different storage buffer formulation.



IP result of anti-FIS1 (IP:66635-1-Ig, 4ug; Detection:66635-1-Ig 1:1000) with HeLa cells lysate 1120 ug. This data was developed using the same antibody clone with 66635-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using FIS1 antibody (66635-1-Ig, Clone: 2F10E1 ) at dilution of 1:400 and Multi-rAb Coralite® Plus 488-Goat Anti-Mouse Recombinant Secondary Antibody (H+L) (RGAM002), CL594-Phalloidin (red). This data was developed using the same antibody clone with 66635-1-PBS in a different storage buffer formulation.