

For Research Use Only

FIS1 Monoclonal antibody, PBS Only

Catalog Number: 66635-1-PBS



Basic Information

Catalog Number:

66635-1-PBS

Size:

100ug, Concentration: 1 mg/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, IF, IHC, 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

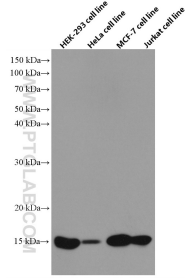
For technical support and original validation data for this product please contact:

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

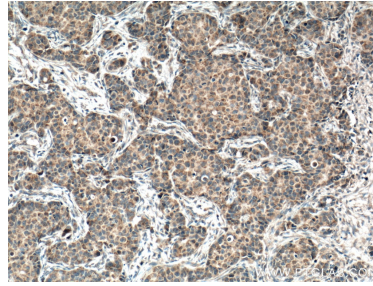
E: proteintech@ptglab.com
W: ptglab.com

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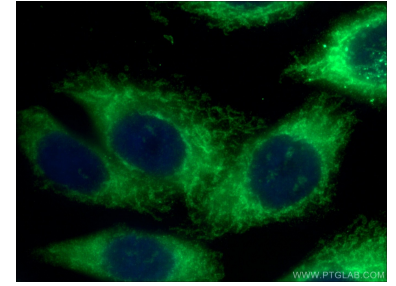
Selected Validation Data



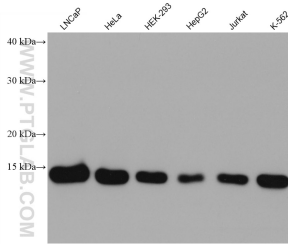
Various cells were subjected to SDS PAGE followed by western blot with 66635-1-Ig (FIS1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66635-1-PBS in a different storage buffer formulation.



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.



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using 66635-1-Ig (FIS1 antibody) at dilution of 1:100 and Alexa Fluor 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L). 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.