

For Research Use Only

# FIS1 Recombinant antibody, PBS Only



Catalog Number: 82248-1-PBS

## Basic Information

<b>Catalog Number:</b> 82248-1-PBS	<b>GenBank Accession Number:</b> BC009428	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug , Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 51024	<b>CloneNo.:</b> 6N15
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9Y3D6	
<b>Isotype:</b> IgG	<b>Full Name:</b> fission 1 (mitochondrial outer membrane) homolog (S. cerevisiae)	
<b>Immunogen Catalog Number:</b> AG1409	<b>Calculated MW:</b> 17 kDa	
	<b>Observed MW:</b> 15 kDa	

## Applications

**Tested Applications:**  
WB, IP, IF, FC, IHC, Indirect ELISA

**Species Specificity:**  
Human, mouse, rat

## 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. (PMID: 21257639, 21459773, 23333625)

## Storage

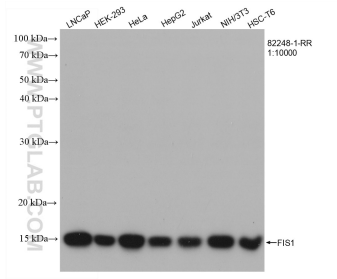
**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS Only

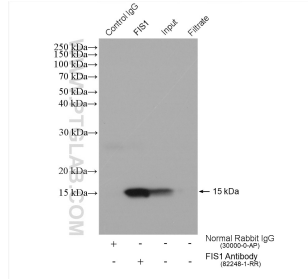
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)      E: proteintech@ptglab.com  
W: ptglab.com

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

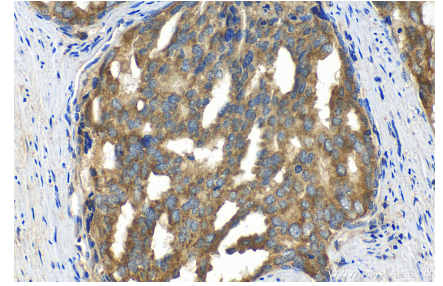
## Selected Validation Data



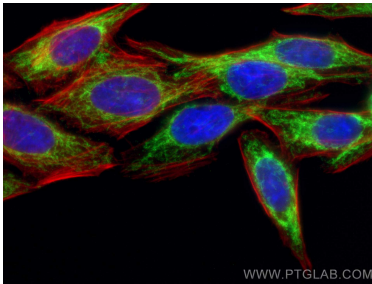
Various lysates were subjected to SDS PAGE followed by western blot with 82248-1-RR (FIS1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 82248-1-PBS in a different storage buffer formulation.



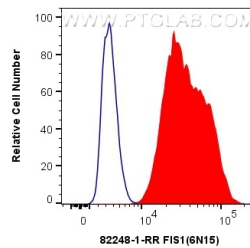
IP result of anti-FIS1 (IP:82248-1-RR, 4ug; Detection:82248-1-RR 1:5000) with HeLa cells lysate 1720 ug. This data was developed using the same antibody clone with 82248-1-PBS in a different storage buffer formulation.



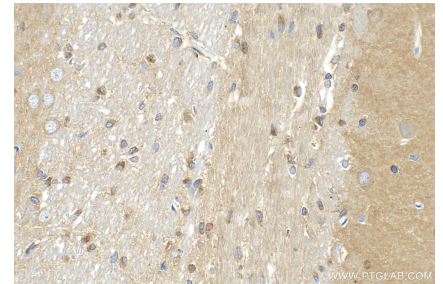
Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using 82248-1-RR (FIS1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 82248-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using FIS1 antibody (82248-1-RR, Clone: 6N15 ) at dilution of 1:1000 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red). This data was developed using the same antibody clone with 82248-1-PBS in a different storage buffer formulation.



$1 \times 10^6$  HepG2 cells were intracellularly stained with 0.4 ug Anti-Human FIS1 (82248-1-RR, Clone:6N15) and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Isotype Control. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C). This data was developed using the same antibody clone with 82248-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded rat brain tissue slide using 82248-1-RR (FIS1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 82248-1-PBS in a different storage buffer formulation.