

For Research Use Only

# CoraLite®594-conjugated Fis1 Monoclonal antibody



Catalog Number:CL594-66635

## Basic Information

Catalog Number: CL594-66635	GenBank Accession Number: BC009428	Purification Method: Protein G purification
Size: 1000 µg/ml	GeneID (NCBI): 51024	CloneNo.: 2F10E1
Source: Mouse	UNIPROT ID: Q9Y3D6	Recommended Dilutions: IF/ICC 1:50-1:500
Isotype: IgG1	Full Name: fission 1 (mitochondrial outer membrane) homolog (S. cerevisiae)	Excitation/Emission maxima wavelengths: 588 nm / 604 nm
Immunogen Catalog Number: AG1409	Calculated MW: 17 kDa	
	Observed MW: 15 kDa	

## Applications

Tested Applications: IF/ICC	Positive Controls: IF/ICC : HepG2 cells,
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 -20°C. Avoid exposure to light. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

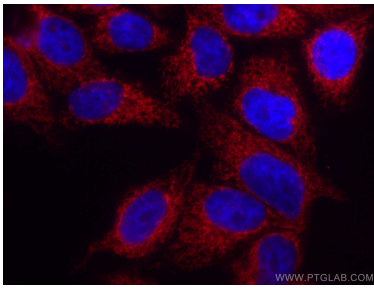
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## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using CL594-66635 (FIS1 antibody) at dilution of 1:50.