

For Research Use Only

# CoraLite®594-conjugated FIS1 Monoclonal antibody



Catalog Number:CL594-66635

## Basic Information

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

## Applications

<b>Tested Applications:</b> IF/ICC	<b>Positive Controls:</b> IF : HepG2 cells,
<b>Species Specificity:</b> 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:

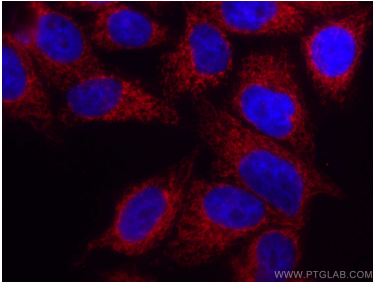
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## Selected Validation Data



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