

For Research Use Only

CoraLite®594-conjugated FIS1 Polyclonal antibody



Catalog Number: CL594-10956

Featured Product

Basic Information

Catalog Number:

CL594-10956

Size:

1000 µg/ml

Source:

Rabbit

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:

17 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

IF 1:50-1:500

Excitation/Emission maxima wavelengths:

588 nm / 604 nm

Applications

Tested Applications:

IF/ICC

Species Specificity:

human, mouse, rat, pig

Positive Controls:

IF : HepG2 cells,

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. This antibody was raised against the full-length of human Fis1 protein, and recognizes endogenous Fis1 protein in various lysates. (PMID: 21257639, 21459773, 23333625)

Storage

Storage:

Store at -20°C. Avoid exposure to light.

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:

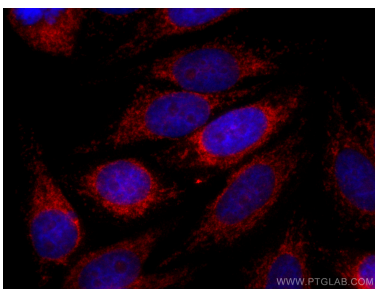
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Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using Coralite®594 FIS1 antibody (CL594-10956) at dilution of 1:200.