

For Research Use Only

# CoraLite® Plus 488-conjugated FIS1 Recombinant antibody

Catalog Number: CL488-82248



## Basic Information

<b>Catalog Number:</b> CL488-82248	<b>GenBank Accession Number:</b> BC009428	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 51024	<b>CloneNo.:</b> 6N15
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9Y3D6	<b>Recommended Dilutions:</b> IF/ICC 1:50-1:500
<b>Isotype:</b> IgG	<b>Full Name:</b> fission 1 (mitochondrial outer membrane) homolog (S. cerevisiae)	<b>Excitation/Emission maxima wavelengths:</b> 493 nm / 522 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, FC (Intra)	<b>Positive Controls:</b> IF/ICC : HepG2 cells,
<b>Species Specificity:</b> 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)

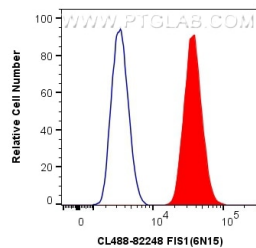
## Storage

**Storage:**  
Store at -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

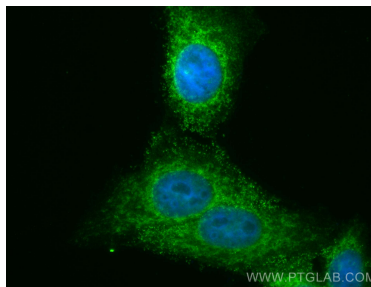
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## Selected Validation Data



1X10<sup>6</sup> HepG2 cells were intracellularly stained with 0.8 ug CoraLite® Plus 488 Anti-Human FIS1 (CL488-82248, Clone:6N15) (red), or 0.8 ug Isotype Control. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using CoraLite® Plus 488 FIS1 antibody (CL488-82248, Clone: 6N15) at dilution of 1:200.