

**bsm-60551M****[ Primary Antibody ]****BioSS**  
ANTIBODIES

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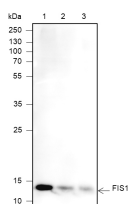
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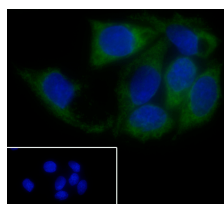
400-901-9800

**FIS1 Recombinant Mouse mAb****— DATASHEET —**

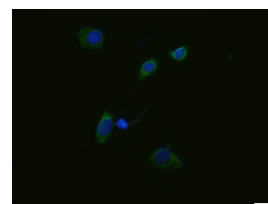
<b>Host:</b> Mouse <b>Clonality:</b> Recombinant <b>GeneID:</b> 51024 <b>Target:</b> FIS1 <b>Purification:</b> affinity purified by Protein G <b>Concentration:</b> 1mg/ml <b>Storage:</b> 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles. <b>Background:</b> The balance between fission and fusion regulates the morphology of mitochondria. TTC11 is a component of a mitochondrial complex that promotes mitochondrial fission (James et al., 2003 [PubMed 12783892]).[supplied by OMIM, Mar 2008]	<b>Isotype:</b> IgG1, Kappa <b>SWISS:</b> Q9Y3D6	<b>Applications:</b> WB (1:500-1000) <b>IHC-P</b> (1:100-500) <b>IHC-F</b> (1:400-800) <b>IF</b> (1:20-100) <b>ICC/IF</b> (1:20-100) <b>Reactivity:</b> Human  <b>Predicted MW.:</b> 17 kDa <b>Subcellular Location:</b> Cytoplasm
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**— VALIDATION IMAGES —**

Blocking buffer: 5% NFD/MTBST Primary Ab dilution: 1:1000 Primary Ab incubation condition: room temperature 2h Secondary Ab: Goat Anti-Mouse IgG H&L (HRP) Lysate: 1: MCF-7, 2: T47D, 3: MDA-MB-231 Protein loading quantity: 20 µg Exposure time: 60 s Predicted MW: 15 kDa Observed MW: 15 kDa



Cell line: HepG2 Fixative: 4% Paraformaldehyde Permeabilization: 0.1% TritonX-100 Primary Ab dilution: 1:50 Primary incubation condition: 4°C overnight Secondary Ab: Goat Anti-Mouse IgG Nuclear counter stain: DAPI (Blue) Comment: Color green is the positive signal for bsm-60551M



HepG2 cell; 4% Paraformaldehyde-fixed; Triton X-100 at room temperature for 20 min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Antibody incubation with (FIS1) monoclonal Antibody, Unconjugated (bsm-60551M) 1:100, 90 minutes at 37°C; followed by a conjugated Goat Anti-Mouse IgG antibody at 37°C for 90 minutes, DAPI (blue, C02-04002) was used to stain the cell nuclei.

**— SELECTED CITATIONS —**

- **[IF=3.8]** Liang Yuan. et al. Dihydromyricetin ameliorates lipopolysaccharide-induced hepatic injury in chickens by activating the Nrf2/Keap1 pathway and regulating mitochondrial dynamics..POULTRY SCIENCE.2025 Mar 18;104(5):105034. Western blot ;Chicken. 40132312
- **[IF=3.4]** Cheng-long Li. et al. Electroacupuncture protects against cerebral ischemia-reperfusion injury through mitochondrial dynamics. HELIYON. 2024 Jul;10: WB ;Rat. 39148973