

**bsm-60007M****[ Primary Antibody ]****Bioss**  
ANTIBODIES

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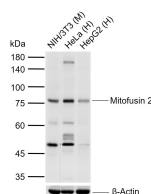
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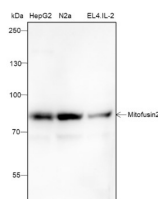
400-901-9800

**Mitofusin 2 Mouse mAb****DATASHEET**

<b>Host:</b> Mouse <b>Clonality:</b> Monoclonal <b>GeneID:</b> 9927 <b>Target:</b> Mitofusin 2 <b>Purification:</b> affinity purified by Protein A <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> This gene encodes a mitochondrial membrane protein that participates in mitochondrial fusion and contributes to the maintenance and operation of the mitochondrial network. This protein is involved in the regulation of vascular smooth muscle cell proliferation, and it may play a role in the pathophysiology of obesity. Mutations in this gene cause Charcot-Marie-Tooth disease type 2A2, and hereditary motor and sensory neuropathy VI, which are both disorders of the peripheral nervous system. Defects in this gene have also been associated with early-onset stroke. Two transcript variants encoding the same protein have been identified. [provided by RefSeq, Jul 2008].	<b>Isotype:</b> IgG2a <b>CloneNo.:</b> G8D3 <b>SWISS:</b> Q95140	<b>Applications:</b> WB (1:500-1000) <b>Reactivity:</b> Human, Mouse  <b>Predicted MW.:</b> 83 kDa <b>Subcellular Location:</b> Cell membrane ,Cytoplasm
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**VALIDATION IMAGES**

Sample: Lane 1: Mouse NIH/3T3 cell lysates Lane 2: Human HeLa cell lysates Lane 3: Human HepG2 cell lysates Primary: Anti-Mitofusin 2 (bsm-60007M) at 1/1000 dilution Secondary: IRDye800CW Goat Anti- Mouse IgG at 1/20000 dilution Predicted band size: 83 kDa Observed band size: 76 kDa



Blocking buffer: 5% NFDM/TBST Primary ab dilution: 1:1000 Primary ab incubation condition: 2 hours at room temperature Lysate: HepG2, Neuro-2a, EL4.IL-2 Protein loading quantity: 20 µg Exposure time: 60 S Predicted MW: 86 kDa Observed MW: 86 kDa

**SELECTED CITATIONS**

- **[IF=5.572]** Miao Song. et al. Mitophagy alleviates AIF-mediated spleen apoptosis induced by ALC13 through Parkin stabilization in mice. FOOD CHEM TOXICOL. 2023 Jun;176:113762 WB ;Mouse. 37028746