

**bs-7646R****[ Primary Antibody ]****Bioss**  
ANTIBODIES

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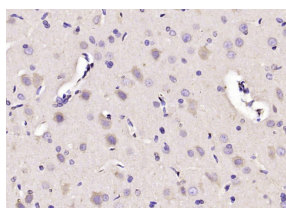
sales@bioss.com.cn

techsupport@bioss.com.cn

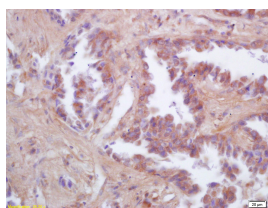
400-901-9800

**FIS1 Rabbit pAb****DATASHEET**

|  |                      |  |
|--|----------------------|--|
| <b>Host:</b> Rabbit  | <b>Isotype:</b> IgG  | <b>Applications:</b> IHC-P (1:100-500)                                       |
| <b>Clonality:</b> Polyclonal   |                      | <b>IHC-F</b> (1:100-500)   |
| <b>GeneID:</b> 51024   | <b>SWISS:</b> Q9Y3D6 | <b>IF</b> (1:100-500)  |
| <b>Target:</b> FIS1  |                      | <b>Reactivity:</b> Human, Rat<br>(predicted: Mouse, Pig,<br>Cow, Dog, Horse) |
| <b>Immunogen:</b> KLH conjugated synthetic peptide derived from human FIS1:<br>55-152/152.   |                      | <b>Predicted<br/>MW.:</b> 17 kDa   |
| <b>Purification:</b> affinity purified by Protein A  |                      | <b>Subcellular<br/>Location:</b> Cytoplasm                                   |
| <b>Concentration:</b> 1mg/ml   |                      |  |
| <b>Storage:</b> 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50%<br>Glycerol.<br>Shipped at 4°C. Store at -20°C for one year. Avoid repeated<br>freeze/thaw cycles.   |                      |  |
| <b>Background:</b> The balance between fission and fusion regulates the morphology<br>of mitochondria. TTC11 is a component of a mitochondrial<br>complex that promotes mitochondrial fission (James et al., 2003<br>[PubMed 12783892]).[supplied by OMIM, Mar 2008] |                      |  |

**VALIDATION IMAGES**

Paraformaldehyde-fixed, paraffin embedded (rat brain tissue); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (FIS1) Polyclonal Antibody, Unconjugated (bs-7646R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Tissue/cell: human lung carcinoma; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Incubation: Anti-FIS1/TTC11 Polyclonal Antibody, Unconjugated(bs-7646R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

**SELECTED CITATIONS**

- **[IF=6.792]** Yang Q et al. Hexavalent chromium induces mitochondrial dynamics disorder in rat liver by inhibiting AMPK/PGC-1 $\alpha$  signaling pathway. Environ Pollut. 2020 Oct;265(Pt A):114855. WB ;Rat. 32474337
- **[IF=5.988]** He Shanqing, et al. Dapagliflozin Protects Methamphetamine-Induced Cardiomyopathy by Alleviating Mitochondrial Damage and Reducing Cardiac Function Decline in a Mouse Model. FRONT PHARMACOL. 2022 Jul;0:2578 WB ;Mouse. 35873593
- **[IF=5.5]** Xiangyu Chen, et al. Astragaloside IV combined with ligustrazine ameliorates abnormal mitochondrial dynamics via Drp1 SUMO/deSUMOylation in cerebral ischemia-reperfusion injury. CNS NEUROSCI THER. 2024 Apr; 30(4): e14725 WB ;Rat,Human. 38615367
- **[IF=3.7]** Ku, Tingting, et al. "PM 2.5, SO 2 and NO 2 co-exposure impairs neurobehavior and induces mitochondrial injuries in the mouse brain."Chemosphere 163 (2016): 27-34. WB ;="Mouse". 27521637

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

- **[IF=2.752]** Yuliang Wen. et al. Changes in the Mitochondrial Dynamics and Functions Together with the mRNA/miRNA Network in the Heart Tissue Contribute to Hypoxia Adaptation in Tibetan Sheep. *Animals-Basel*. 2022 Jan;12(5):583 IHC ;Sheep. 35268153