

bs-0037R**[Primary Antibody]****Bioss**
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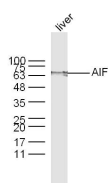
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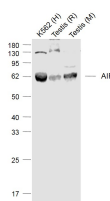
400-901-9800

AIF Rabbit pAb**DATASHEET**

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|---|---|---|
| Host: Rabbit Clonality: Polyclonal GeneID: 9131 Target: AIF Immunogen: KLH conjugated synthetic peptide derived from human AIF: 131-230/613. Purification: affinity purified by Protein A Concentration: 1mg/ml Storage: 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. Background: This gene encodes a flavoprotein essential for nuclear disassembly in apoptotic cells, and it is found in the mitochondrial intermembrane space in healthy cells. Induction of apoptosis results in the translocation of this protein to the nucleus where it affects chromosome condensation and fragmentation. In addition, this gene product induces mitochondria to release the apoptogenic proteins cytochrome c and caspase-9. Mutations in this gene cause combined oxidative phosphorylation deficiency 6, which results in a severe mitochondrial encephalomyopathy. Alternative splicing results in multiple transcript variants. A related pseudogene has been identified on chromosome 10. [provided by RefSeq, May 2010]. | Isotype: IgG SWISS: O95831 | Applications: WB (1:500-2000) Reactivity: Human, Mouse, Rat, Pig (predicted: Rabbit, Sheep, Cow, Chicken, Dog) Predicted MW.: 57 kDa Subcellular Location: Cytoplasm ,Nucleus |
|---|---|---|

VALIDATION IMAGES

Sample: Liver (Mouse) Lysate at 40 ug Primary: Anti-AIF (bs- 0037R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 57 kD Observed band size: 63 kD



Sample: Lane 1: K562 (Human) Cell Lysate at 30 ug Lane 2: Testis (Rat) Lysate at 40 ug Lane 3: Testis (Mouse) Lysate at 40 ug Primary: Anti-AIF (bs-0037R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 67' 62' 57 kD Observed band size: 62 kD

SELECTED CITATIONS

- **[IF=5.4]** Gong, Ping, et al. "Hypothermia-induced neuroprotection is associated with reduced mitochondrial membrane permeability in a swine model of cardiac arrest." Journal of Cerebral Blood Flow & Metabolism (2013). WB ;="Pig". 23486294
- **[IF=4.556]** Chunyue Wang. et al. Isoforsythiaside Attenuates Alzheimer' s Disease via Regulating Mitochondrial Function Through the PI3K/AKT Pathway. Int J Mol Sci. 2020 Jan;21(16):5687 WB ;Mouse, Human. 32784451
- **[IF=4.784]** Zhu B et al. The hepatoprotective effect of polysaccharides from Pleurotus ostreatus on carbon tetrachloride-induced acute liver injury rats.Int J Biol Macromol. 2019 Jun 15;131:1-9. IF ;Rat. 30851331

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

- **[IF=4.8]** Chenxi Liu. et al. Astragalus membranaceus-Carthamus tinctorius herb pair antagonizes parthanatos in cerebral ischemia/reperfusion injury via regulating PARP-1/TAX1BP1-mediated mitochondrial respiratory chain complex I. J ETHNOPHARMACOL. 2024 Dec;;119260 WB,IF ;Rat,Mouse. 39701216
- **[IF=4.996]** Ji, Wanli. et al. Ischemic stroke protected by ISO-1 inhibition of apoptosis via mitochondrial pathway. SCI REP-UK. 2023 Feb;13(1):1-11 WB,IF ;Rat. 36797398