

bs-0037R**[Primary Antibody]****BioSS**
ANTIBODIES

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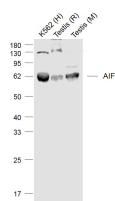
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AIF Rabbit pAb**DATASHEET**

Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000)
Clonality: Polyclonal		Reactivity: Human, Mouse, Rat (predicted: Rabbit, Pig, Sheep, Cow, Chicken, Dog)
GeneID: 9131	SWISS: O95831	Predicted MW.: 57 kDa
Target: AIF		Observed MW.: 62 kDa
Immunogen: KLH conjugated synthetic peptide derived from human AIF: 131-230/613.		Subcellular Location: Cytoplasm ,Nucleus
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].		

VALIDATION IMAGES

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: 57 kD Observed
band size: 62 kD

SELECTED CITATIONS

- **[IF=5.4]** Ping Gong. et al. Hypothermia-Induced Neuroprotection is Associated with Reduced Mitochondrial Membrane Permeability in a Swine Model of Cardiac Arrest. J CEREBR BLOOD F MET. ;(): WB ;="Pig". 23486294
- **[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
- **[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

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

- **[IF=4.8]** Muhammed Talha Karadogan. et al. Myricetin protects against doxorubicin-induced acute kidney injury in rats by mitigating oxidative damage and apoptotic response. FRONT PHARMACOL. 2025 Jun;16: IHC ;Rat. 40661077
- **[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