bs-0037M **[Primary Antibody]**

AIF Mouse pAb

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DATASHEET

Host: Mouse **Isotype:** IgG

Clonality: Polyclonal

GeneID: 9131 **SWISS:** O95831

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].

Applications: **IHC-P** (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)
ELISA (1:5000-10000)

Reactivity: Human (predicted: Mouse, Rat, Rabbit, Pig, Sheep, Cow, Chicken, Dog)

Predicted MW.: 56 kDa

Subcellular Location: Cytoplasm ,Nucleus

SELECTED CITATIONS

- **[IF=3.1]** Ozturk Aysegul. et al. TRPV1 channel antagonist capsazepine alleviates morphine tolerance and morphine-induced neurotoxicity by preventing mitochondrial damage and apoptosis: an in vivo and in vitro study. N-S ARCH PHARMACOL. 2025 Jun;:1-19 IHC,IF ;Rat. 40549151