German Research Products - GRP GmbH

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Product Datasheet

AIF Polyclonal Antibody GRP189

Description Functions both as NADH oxidoreductase and as regulator of

apoptosis. In response to apoptotic stimuli, it is released from the mitochondrion intermembrane space into the cytosol and to the nucleus, where it functions as a proapoptotic factor in a caspase-independent pathway. In contrast, functions as an antiapoptotic factor in normal mitochondria via its NADH oxidoreductase activity. The soluble form (AIFsol) found in the nucleus induces 'parthanatos' i.e. caspase-independent fragmentation of chromosomal DNA. Interacts with EIF3G,and

thereby inhibits the EIF3 machinery and protein synthesis, and activates casapse-7 to amplify apoptosis. Plays a critical role in caspase-independent, pyknotic cell death in hydrogen

peroxide-exposed cells. Binds to DNA in a sequence-independent

manner.

Species/Host Rabbit

Reactivity Human, Mouse, Rat, Pig

Conjugation Unconjugated

Tested Applications IHC-P, WB

Immunogen KLH conjugated synthetic peptide derived from human AIF

(public_immunogen_range: 130-180/613)

Form/Appearance Aqueous buffered solution containing 1% BSA, 50% glycerol and

0.09% sodium azide.

Concentration 1ug/ul

Storage Store at -20°C for 12 months.

Note For research use only.

Isotype IgG

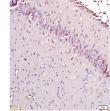
Clonality Polyclonal

Purity Purified by Protein A.

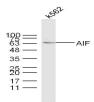
Uniprot ID 095831

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Dilution Range WB: 1:300-1000, IHC-P: 1:200-400



WB of GRP189



IHC-P of GRP189