

AIFM1

Reactivity:Human Mouse Rat

Tested applications:WB IHC IF IP

Recommended Dilution:WB 1:500 - 1:2000 IHC 1:50 - 1:200 IF 1:50 - 1:200 IP 1:20 - 1:50

Calculated MW:66kDa

Observed MW:Refer to Figures

Immunogen:

Recombinant protein of human AIFM1

Storage Buffer:

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Concentration:

b

Synonym:

AIF; CMTX4; COWCK; PDCD8; COXPD6;

Catalog #:A2568

Antibody Type:

Polyclonal Antibody

Species:Rabbit

Gene ID:9131

Isotype:IgG

Swiss Prot:O95831

Purity:Affinity purification

For research use only.

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.

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