
Product Information

Product SKU:	CAB19536	Gene ID:	9131	Size:	20uL, 100uL
Clone No:	ARC0015	Host Species:	Rabbit	Reactivity:	Human,Mouse,Rat

Additional Information

Observed MW:	67kDa	Conjugate:	Unconjugated
Calculated MW:	67kDa	Isotype:	IgG

Immunogen Information

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 (COXPD6), a severe mitochondrial encephalomyopathy, as well as Cowchock syndrome, also known as X-linked recessive Charcot-Marie-Tooth disease-4 (CMTX-4), a disorder resulting in neuropathy, and axonal and motor-sensory defects with deafness and cognitive disability. Alternative splicing results in multiple transcript variants. A related pseudogene has been identified on chromosome 10.

Recommended Dilution: WB,1:500 - 1:2000 IHC-P,1:50 - 1:200

Synonyms: AIF; AUNX1; CMT2D; CMTX4; COWCK; DFNX5; NADMR; NAMSD; PDCD8; COXPD6; SEMDHL

Purification Method: Affinity purification

Immunogen: A synthetic peptide corresponding to a sequence within amino acids 450-550 of human AIF (O95831).

Storage: Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 0.05% BSA, 50% glycerol, pH 7.3.