

anti- AIF antibody

Product Information

Catalog No.:	FNab00235
Size:	100µg
Form:	liquid
Purification:	Immunogen affinity purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Rabbit
Clonality:	polyclonal
Clone ID:	None
IsoType:	IgG
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months (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 (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 mental retardation. Alternative splicing results in multiple transcript variants. A related pseudogene has been identified on chromosome 10.

Immunogen information

Immunogen:	apoptosis-inducing factor, mitochondrion-associated, 1
Synonyms:	AIF, AIFM1, PDCD8
Observed MW:	67 kDa
Uniprot ID :	O95831

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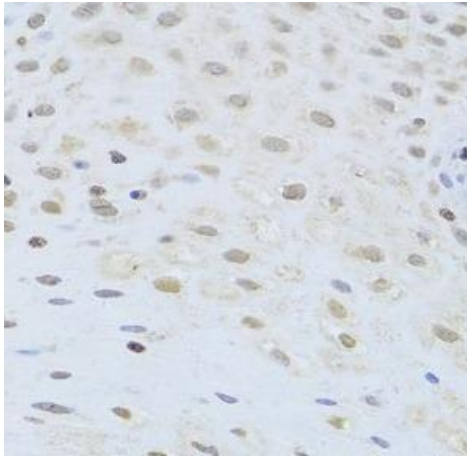
Application

Reactivity: Human, Mouse

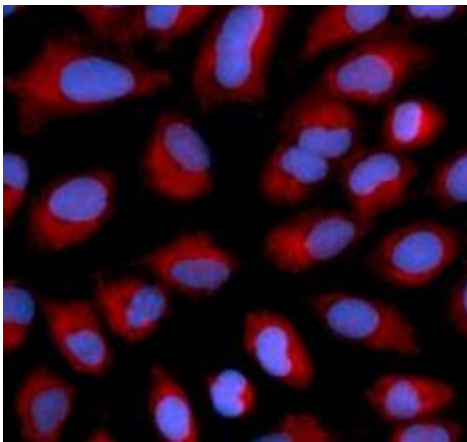
Tested Application: ELISA, IHC, WB, IF

Recommended dilution: WB: 1:500 - 1:2000; IHC: 1:50 - 1:200; IF: 1:50 - 1:200

Image:



Immunohistochemistry of paraffin-embedded human esophagus tissue slide using FNab00235(AIF Antibody) at dilution of 1:100



Immunofluorescence analysis of U2OS cells using FNab00235(AIF Antibody). Blue: DAPI for nuclear staining.

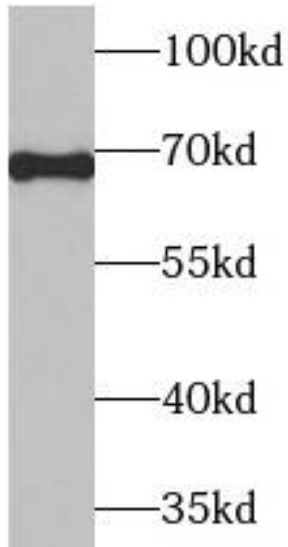
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Jurkat cells were subjected to SDS PAGE followed by western blot with FNab00235(AIF antibody) at dilution of 1:1000