

Datasheet for ABIN5700231 **anti-AIF antibody**



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Overview

Quantity:	100 µg
Target:	AIF (AIFM1)
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This AIF antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Immunofluorescence (IF), Immunoprecipitation (IP)

Product Details

Immunogen:	apoptosis-inducing factor, mitochondrion-associated, 1
Isotype:	IgG

Target Details

Target:	AIF (AIFM1)
Alternative Name:	AIF (AIFM1 Products)
Background:	Synonyms:AIF, AIFM1, PDCD8 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-

Target Details

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.

Molecular Weight: 66kDa

UniProt: [O95831](#)

Pathways: [Apoptosis](#), [Positive Regulation of Endopeptidase Activity](#), [Cell RedoxHomeostasis](#), [Smooth Muscle Cell Migration](#), [Warburg Effect](#)

Application Details

Application Notes: WB :1:1000-1:10000,IP:1:1000-1:10000,IF:1:10-1:100,IHC:1:100-400

Comment: Jurkat cells were subjected to SDS PAGE followed by western blot with FNab00235(AIF antibody) at dilution of 1:2000

Restrictions: For Research Use only

Handling

Buffer: PBS with 0.02 % sodium azide and 50 % glycerol pH 7.3

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freeze / thaw cycles.

Storage: -20 °C

Expiry Date: 12 months