



Rabbit Anti-Human AIF Polyclonal Antibody (CABT-L2123)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Polyclonal Antibody to Apoptosis Inducing Factor (Knockout Validated)
Specificity	The antibody is a rabbit polyclonal antibody raised against AIF. It has been selected for its ability to recognize AIF in immunohistochemical staining and western blotting.
Target	AIF
Immunogen	Recombinant fragment corresponding to human AIFM1 (Gly103–Lys322)
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Pig
Purification	Antigen-specific affinity chromatography followed by Protein A affinity chromatography
Conjugate	Unconjugated
Applications	WB
Format	Liquid
Concentration	Lot specific
Size	200 µg
Buffer	Supplied as solution form in 0.01M PBS with 50% glycerol, pH7.4.
Preservative	0.05% Proclin-300

Storage	Avoid repeated freeze/thaw cycles. Store at 4°C for frequent use. Aliquot and store at -20°C for 12 months.
Ship	4°C with ice bags

BACKGROUND

Introduction	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. [provided by RefSeq, May 2010]
Keywords	PDCD8;Programmed Cell Death protein 8;Apoptosis-inducing factor 1, mitochondrial

GENE INFORMATION

Gene Name	AIFM1 apoptosis-inducing factor, mitochondrion-associated, 1 [Homo sapiens (human)]
Official Symbol	AIFM1
Synonyms	AIFM1; apoptosis-inducing factor, mitochondrion-associated, 1; AIF; CMT2D; CMTX4; COWCK; NADMR; NAMSD; PDCD8; COXPD6; apoptosis-inducing factor 1, mitochondrial; striatal apoptosis-inducing factor; programmed cell death 8 (apoptosis-inducing factor); Neuropathy, axonal motor-sensory, with deafness and mental retardation; neuropathy, axonal, motor-sensory with deafness and mental retardation (Cowchock syndrome);
Protein Refseq	NP_001124318
UniProt ID	O95831
Chromosome Location	Xq26.1
Pathway	Apoptosis; Apoptosis Modulation by HSP70; Ceramide signaling pathway;
Function	DNA binding; FAD binding; NAD(P)H oxidase activity; electron carrier activity; oxidoreductase activity, acting on NAD(P)H; protein binding; protein dimerization activity;