



Anti-Apoptosis-Inducing Factor Antibody

Alternative Names: AIF, CMT2D, CMTX4, COWCK, COXPD6, DFNX5, NADMR, NAMSD, PDCD8, Apoptosis Inducing Factor Mitochondria Associated 1, Apoptosis-Inducing Factor, Mitochondrion-Associated 1, Programmed Cell Death 8 (Apoptosis-Inducing Factor), Auditory Neuropathy, X-Linked Re

Catalogue Number: AB19-10124-100ug

Size: 100 µg

Background Information

Apoptosis inducing factor (AIFM1/AIF) is a mitochondrial flavoprotein that has a fundamental housekeeping role in mitochondrial bioenergetics. It is also involved in caspase-independent cell death, where following an apoptotic trigger, proteolysis of the membrane-tethered precursor AIF, causes AIF to translocate to the nucleus, where it participates in chromatin condensation and DNA degradation. Mutations in the AIFM1 gene cause combined oxidative phosphorylation deficiency 6 (COXPD6), a severe mitochondrial encephalomyopathy and 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.

Product Information

Antibody Type:	Polyclonal	Host:	Rabbit
Isotype:	IgG	Species Reactivity:	Human, Mouse
Immunogen:	Partial length recombinant human AIFM1 from the C-terminal region		
Format:	100 µg in 100 µl PBS with 0.02% sodium azide, 50% glycerol, pH7.3.		
Storage Conditions:	Store at -20°C. Avoid freeze / thaw cycles.		
Applications:	WB IHC IF WB 1:500-2000. IHC 1:50-200. IF 1:50-200.		

Additional Information

Subcellular location:	Nucleus, Mitochondrion	MW:	67kDa (Intended as a general guide and does not allow for all isoforms and species variations)
Gene ID	9131	Uniprot ID:	O95831