

Mouse anti-Human AIF Monoclonal Antibody | anti-AIF antibody

AIF Mouse mAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA320404	Mouse	Human	Immunocytochemistry, Immunofluorescence, Western Blot

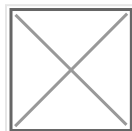
PRODUCT SYNONYMS

AIF; Monoclonal Antibody; AIF Mouse mAb; AIFM1; AIFM1_HUMAN; Apoptosis inducing factor 1; mitochondrial; Apoptosis inducing factor; mitochondrion associated; 1; Apoptosis-inducing factor 1; CMTX4; COWCK; COXPD6; Harlequin; Hq; mAIF; MGC111425; MGC5706; Neuropathy; axonal motor-sensory; with deafness and mental retardation; neuropathy; axonal; motor-sensory with deafness and mental retardation (Cowchock syndrome); PDCD 8; PDCD8; Programmed cell death 8 (apoptosis inducing factor); Programmed cell death 8; Programmed cell death 8 isoform 1; Programmed cell death 8 isoform 2; Programmed cell death 8 isoform 3; Programmed cell death protein 8; Programmed cell death protein 8 mitochondrial; Programmed cell death protein 8 mitochondrial precursor; Striatal apoptosis inducing factor.; anti-AIF antibody

PRODUCT SPECIFICATIONS

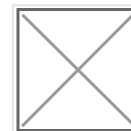
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Specificity	This antibody detects endogenous levels of AIF and does not cross-react with related proteins.
Purity/Purification	The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen.
Form/Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-AIF antibody	ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	Purified recombinant human AIF protein fragments expressed in E coli.
Modification	Unmodified/Total
Preparation and Storage	Store at -20 degree C/1 year

IMAGES



ICC (Immunocytochemistry)

Immunocytochemistry staining of HeLa cells fixed with 4% Paraformaldehyde and using anti-AIF mouse mAb (dilution 1:200).



WB (Western Blot)

Western blot analysis of extracts from HeLa, Ramos, HepG2, MCF7 and Jurkat cell lysates using AIF mouse mAb (1:1000 diluted). Predicted band size: 67KDa. Observed band size: 67KDa.

ADDITIONAL INFORMATION

Related Product Information for anti-AIF antibody	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
Product Categories/Family for anti-AIF antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	195927004
NCBI GeneID	9131
NCBI Accession #	NP_001124318.1
NCBI GenBank Nucleotide #	NM_001130846.2
UniProt Accession #	O95831; Q1L6K6; Q2QKE4; Q5JUZ7; Q6I9X6; Q9Y3I3; Q9Y3I4; A4QPB4; B1ALN1; B2RB08; D3DTE9
Molecular Weight	66,901 Da
NCBI Official Full Name	apoptosis-inducing factor 1, mitochondrial isoform 4
NCBI Official Synonym Full Names	apoptosis-inducing factor, mitochondrion-associated, 1
NCBI Official Symbol	AIFM1
NCBI Official Synonym Symbols	AIF; CMTX4; COWCK; PDCD8; COXPD6
NCBI Protein Information	apoptosis-inducing factor 1, mitochondrial; striatal apoptosis-inducing factor; programmed cell death 8 (apoptosis-inducing factor)
UniProt Protein Name	Apoptosis-inducing factor 1, mitochondrial
UniProt Gene Name	AIFM1
UniProt Synonym Gene Names	AIF; PDCD8
UniProt Entry Name	AIFM1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/aif-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/320404>