

Mouse anti-Human AIFM1 Monoclonal Antibody | anti-AIFM1 antibody

AIFM1 antibody

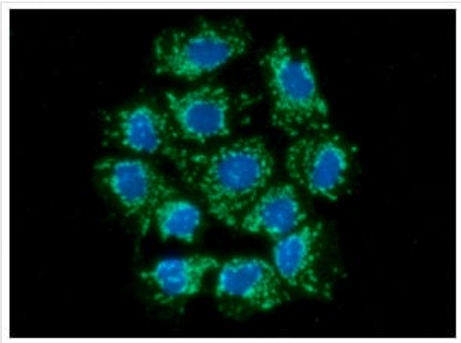
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA48222	Mouse	Human	Immunofluorescence, Immunocytochemistry, Flow Cytometry, Functional Assay, Western Blot, ELISA

PRODUCT SYNONYMS

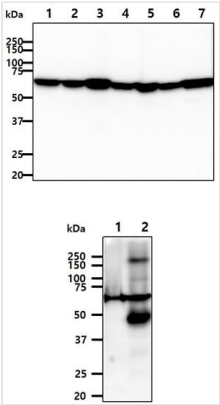
AIFM1; Monoclonal Antibody; AIFM1 antibody; Apoptosis-inducing factor 1 mitochondrial isoform 2 precursor; Apoptosis-inducing factor 1; mitochondrial isoform 2 precursor; AIF; CMTX4; COWCK; COXPD6; PDCD8; anti-AIFM1 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2a, k
Clone Number	AT22E9
Purity/Purification	By protein-A affinity chromatography
Form/Format	Liquid. In phosphate-buffered saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol.
Concentration	1 mg/ml (varies by lot)
Sequence Length	609
Applicable Applications for anti-AIFM1 antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), FCM/FACS (Flow Cytometry), WB (Western Blot), ELISA
Antigen Species	Human
Immunogen	Recombinant human AIFM1 (98-609aa) purified from E. coli
Clone Note	Anti-human AIFM1 mAb, clone AT22E9, is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with a recombinant human AIFM1 protein.
Preparation and Storage	Can be stored at 4 degree C. For long term storage, aliquot and store at -20 degree C. Avoid repeated freezing and thawing cycles.



IF (Immunofluorescence)
ICC/IF analysis of AIFM1 in Hep3B cells line, stained with DAPI (Blue) for nucleus staining and monoclonal anti-human AIFM1 antibody (1:100) with goat anti-mouse IgG-Alexa fluor 488 conjugate (Green).



WB (Western Blot)
The cell lysates (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human AIFM1 antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Lane 1. : Jurkat cell lysate Lane 2. : HeLa cell lysate Lane 3. : Hep3B cell lysate Lane 4. : Raji cell lysate Lane 5. : K562 cell lysate Lane 6. : MCF7 cell lysate Lane 7. : CTLL2 cell lysate The tissue lysates (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human AIFM1 antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Lane 1. : Mouse heart tissue lysate Lane 2. : Mouse liver tissue lysate

ADDITIONAL INFORMATION

Related Product Information for anti-AIFM1 antibody	Apoptosis-inducing factor 1, also known as AIFM1, is a mitochondrial protein that translocates to the nucleus upon induction of apoptosis. AIFM1 has been shown to cause DNA fragmentation and chromatin condensation and to induce the release of cytochrome c and caspase-9 from mitochondria. Bcl-2 overexpression has been shown to prevent the release of AIFM1 from mitochondria, but not to block its apoptogenic activity. Mutations in this gene cause combined oxidative phosphorylation deficiency 6, which results in a severe mitochondrial encephalomyopathy.
Product Categories/Family for anti-AIFM1 antibody	Apoptosis
References	Tang Y., et al. (2013) J Proteomics. 91C: 200-209.; Kim TW., et al. (2013) Cell Death Dis. 4: e919.;

NCBI AND UNIPROT INFORMATION

NCBI GI #	22202629
NCBI GeneID	9131
NCBI Accession #	NP_665811
NCBI GenBank Nucleotide #	NM_145812.2
UniProt Accession #	O95831; Q1L6K4; Q1L6K6; Q2QKE4; Q5JUZ7; Q6I9X6; Q9Y3I3; Q9Y3I4; A4QPB4; B1ALN1; B2RB08; D3DTE9
Molecular Weight	26,033 Da
NCBI Official Full Name	apoptosis-inducing factor 1, mitochondrial isoform AIF-exB
NCBI Official Synonym Full Names	apoptosis inducing factor mitochondria associated 1
NCBI Official Symbol	AIFM1
NCBI Official Synonym Symbols	AIF; CMT2D; CMTX4; COWCK; DFNX5; NADMR; NAMSD; PDCD8; COXPD6
NCBI Protein Information	apoptosis-inducing factor 1, mitochondrial
UniProt Protein Name	Apoptosis-inducing factor 1, mitochondrial

UniProt Gene Name	AIFM1
UniProt Synonym Gene Names	AIF; PDCD8

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/aifm1-antibody-clone-at22e9-immunofluorescence-immunocytochemistry-flow-cytometry-western-blot-elisa/48222>