

Rabbit AIF Polyclonal Antibody | anti-AIFM1 antibody

Anti-AIF antibody

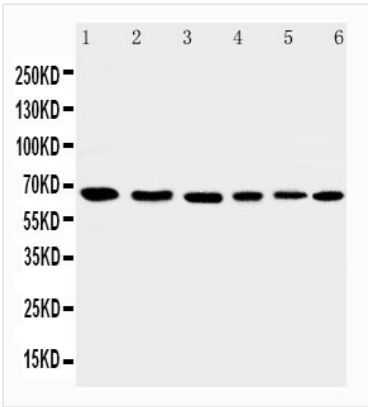
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA45696	Rabbit	Human, Mouse, Rat	Immunocytochemistry, Immunohistochemistry, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

AIF; Polyclonal Antibody; Anti-AIF antibody; Apoptosis-inducing factor 1; mitochondrial; apoptosis-inducing factor; mitochondrion-associated; 1; AIFM1 antibody; Apoptosis inducing factor 1; mitochondrial antibody; Apoptosis inducing factor antibody; Apoptosis inducing factor; mitochondrion associated; 1 antibody; Apoptosis-inducing factor 1 antibody; CMTX4 antibody; COXPD6 antibody; Harlequin antibody; Hq antibody; mAIF antibody; MGC111425 antibody; MGC5706 antibody; PDCD 8 antibody; PDCD8 antibody; Programmed cell death 8(apoptosis inducing factor) antibody; Programmed cell death 8 antibody; Programmed cell death 8 isoform 1 antibody; Programmed cell death 8 isoform 2 antibody; Programmed cell death 8 isoform 3 antibody; Programmed cell death 8 isoform 5 antibody; Programmed cell death protein 8 antibody; Programmed cell death protein 8 mitochondrial antibody; Programmed cell death protein 8 mitochondrial precursor antibody; Striatal apoptosis inducing factor antibody; anti-AIFM1 antibody

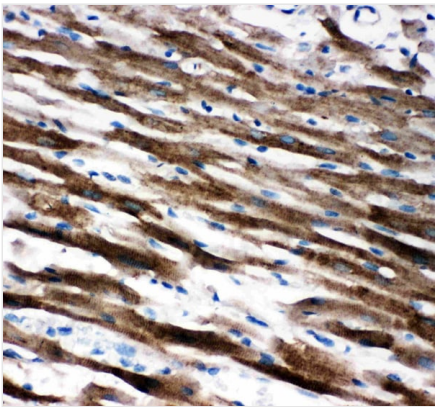
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized
Sequence Length	613
Applicable Applications for anti-AIFM1 antibody	ICC (Immunocytochemistry), IHC (Immunohistochemistry), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human AIF (596-613aa EQHEDLNEVAKLFNIHED), identical to the related rat and mouse sequences.
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg NaN ₃ .
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.



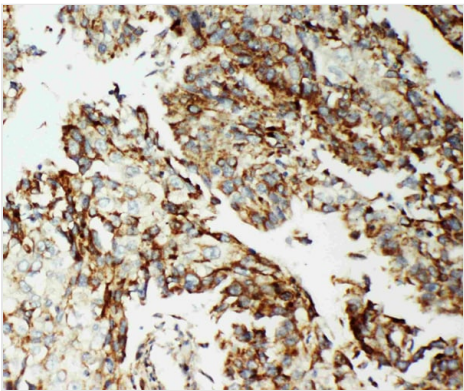
WB (Western Blot)

Anti-AIF antibody, AAA45696, Western blottingLane 1: Rat Heart Tissue LysateLane 2: Rat Brain Tissue LysateLane 3: K562 Cell LysateLane 4: HEPG2 Cell LysateLane 5: A431 Cell LysateLane 6: NIH3T3 Cell Lysate



IHC (Immunohistochemistry)

Anti-AIF antibody, AAA45696, IHC(P)IHC(P): Rat Cardiac Muscle Tissue



IHC (Immunohistochemistry)

Anti-AIF antibody, AAA45696, IHC(P)IHC(P): Human Lung Cancer Tissue

ADDITIONAL INFORMATION

Related Product Information for anti-AIFM1 antibody

Description: Rabbit IgG polyclonal antibody for Apoptosis-inducing factor 1, mitochondrial(AIFM1) detection. Tested with WB, IHC-P, IHC-F, ICC in Human, Mouse, Rat.

Background: Apoptosis-inducing factor 1, mitochondrial, also known as AIF or PDCD8 is a protein that in humans is encoded by the AIFM1 gene. AIFM1 gene is mapped to Xq26.1 based on an alignment of the AIFM1 sequence with the genomic sequence. 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. A related pseudogene has been identified on chromosome 10.

NCBI AND UNIPROT INFORMATION

NCBI GI #	13431764
NCBI GeneID	9131
UniProt Accession #	O95831; Q1L6K4; Q1L6K6; Q2QKE4; Q5JUJ7; Q6I9X6; Q9Y3I3; Q9Y3I4; A4QPB4; B1ALN1; B2RB08; D3DTE9
Molecular Weight	26,033 Da
NCBI Official Full Name	Apoptosis-inducing factor 1, mitochondrial
NCBI Official Synonym Full Names	apoptosis-inducing factor, mitochondrion-associated, 1

NCBI Official Symbol	AIFM1
NCBI Official Synonym Symbols	AIF; CMT2D; CMTX4; COWCK; NADMR; NAMSD; PDCD8; COXPD6
NCBI Protein Information	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)
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/polyclonal/aif-antibody-immunocytochemistry-immunohistochemistry-immunohistochemistry-western-blot-elisa/45696>