

Rabbit anti-Human AIF Polyclonal Antibody | anti-AIF antibody

Rabbit anti-AIF Antibody, Affinity Purified

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA212016	Rabbit	Human	Immunohistochemistry, Immunoprecipitation, Western Blot

PRODUCT SYNONYMS

AIF; Polyclonal Antibody; Rabbit anti-AIF Antibody; Affinity Purified; striatal apoptosis-inducing factor; testicular secretory protein Li 4; Programmed cell death protein 8; programmed cell death 8 (apoptosis-inducing factor); PDCD8; NAMD8; NADMR; COXPD6; COWCK; CMTX4; CMT2D; apoptosis-inducing factor; mitochondrion-associated; 1; apoptosis-inducing factor 1; mitochondrial; DFNX5; Apoptosis-inducing factor 1; apoptosis inducing factor mitochondria associated 1; anti-AIF antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid. Whole IgG. Tris-buffered Saline containing 0.1% BSA and 0.09% Sodium Azide
Concentration	200ug/ml (varies by lot)
Applicable Applications for anti-AIF antibody	IHC (Immunohistochemistry), IP (Immunoprecipitation), WB (Western Blot)
Predicted Reactivity	Mouse, Rat
Immunogen	Between 563 and C-terminus
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt

IMAGES



WB (Western Blot)

Detection of human AIF by western blot and immunoprecipitation. Samples: Whole cell lysate from HeLa (5, 15 and 50 ug for WB; 1 mg for IP, 20% of IP loaded) and HEK293T (T; 50 ug) cells. Antibodies: Affinity purified rabbit anti-AIF antibody AAA212016 used for WB at 0.04 ug/ml (A) and 0.4 ug/ml (B) and used for IP at 3 ug/mg lysate. AIF was also immunoprecipitated by rabbit anti-AIF antibody which recognizes an upstream epitope. Detection: Chemiluminescence with exposure times of 30 seconds (A) and 10 seconds (B).



IHC (Immunohistochemistry)

Detection of human AIF by immunohistochemistry. Sample: FFPE section of human ovarian carcinoma. Antibody: Affinity purified rabbit anti-AIF (Cat. No. AAA212016) used at a dilution of 1:1,000 (1 ug/ml) Detection: DAB

ADDITIONAL INFORMATION

Related Product Information for anti-AIF antibody

Apoptosis-inducing factor (AIF) is 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, AIF induces mitochondria to release the apoptogenic proteins cytochrome c and caspase-9.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4757732
NCBI GeneID	9131
NCBI Accession #	NP_004199.1
NCBI GenBank Nucleotide #	NM_004208.3
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
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
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-immunohistochemistry-immunoprecipitation-western-blot-elisa/212016>