

Rabbit anti-Mouse, Rat AIF Polyclonal Antibody | anti-AIF antibody

RABBIT ANTI AIF (aa517-531)

CATALOG # AAA49956	HOST Rabbit	REACTIVITY Mouse, Rat	APPLICATIONS Western Blot, Immunohistochemistry
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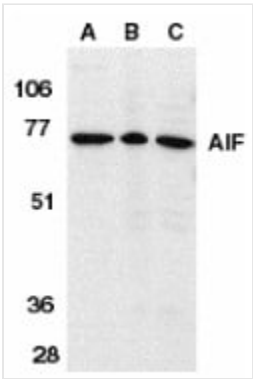
PRODUCT SYNONYMS

AIF; Polyclonal Antibody; RABBIT ANTI AIF (aa517-531); anti-AIF antibody

PRODUCT SPECIFICATIONS

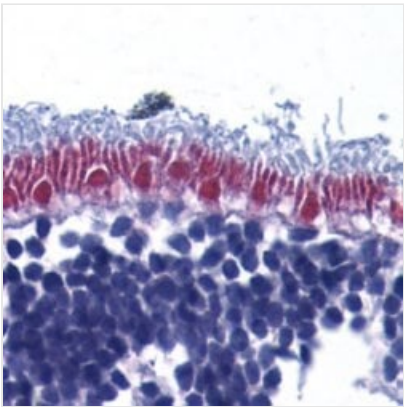
Host	Rabbit
Reactivity	Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Form/Format	Purified Purified IgG - liquid
Concentration	IgG concentration 0.5 mg/ml (varies by lot)
Sequence Length	261
Applicable Applications for anti-AIF antibody	WB (Western Blot), IHC (Immunohistochemistry)
Perservative Stabilisers	0.02% Sodium Azide
Buffer Solution	Phosphate buffered saline
Antiserum Preparation	Antisera to AIF were raised by repeated immunisation of rabbit with highly purified antigen. Purified IgG was prepared from whole serum by ion exchange chromatography.
Target Species	Human
Preparation and Storage	Store at 4 degree C or at -20 degree C if preferred. This product should be stored undiluted. Storage in frost free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the protein. Should this product contain a precipitate we recommend microcentrifugation before use. Shelf Life: 18 months from date of despatch.

IMAGES



Application Data

Western blot analysis of whole cell lysates from K562 (A), rat heart (B) and mouse heart (C) probed with Rabbit anti Human AIF (AAA49956)



Application Data

Staining of human retina with Rabbit anti Human AIF (IN) at 10 ug/ml. Formalin fixed paraffin processed tissue (AAA49956)

ADDITIONAL INFORMATION

Related Product Information for anti-AIF antibody	Rabbit anti Human AIF antibody recognizes human Apoptosis-inducing factor 1, mitochondrial, also known as Programmed cell death protein 8 or apoptosis inducing factor (AIF). AIF is a 613 amino acid member of the FAD-dependent oxidoreductase family. Rabbit anti Human AIF antibody reacts with an internal region of AIF (within the region aa 517-531. AIF is widely expressed in human tissues and localizes in the mitochondria. AIF translocates to the nucleus upon induction of apoptosis. Multiple isoforms of AIF are generated by alternative splicing. Rabbit anti Human AIF antibody recognizes isoforms 1, 2,3 and 5. It is not expected to recognize either isoforms 4 or 6 as they lack the immunogen sequence. Mutations in the AIFM1 can result in various disease conditions including COXPD6 and Cowchock syndrome.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	195927004
NCBI GeneID	9131
NCBI Accession #	NP_001124318.1
NCBI GenBank Nucleotide #	NM_001130846.2
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 4
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; Neuropathy, axonal motor-sensory, with deafness and mental retardation; neuropathy, axonal, motor-sensory with deafness and mental retardation (Cowchock syndrome); programmed cell death 8 (apoptosis-inducing factor); striatal 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/polyclonal/aif-antibody-western-blot-immunohistochemistry-elisa/49956>