

Rabbit anti-Human, Mouse AIFM2 Polyclonal Antibody | anti-AIFM2 antibody

AIFM2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA327560	Rabbit	Human, Mouse	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

PRODUCT SYNONYMS

AIFM2; Polyclonal Antibody; AIFM2 Antibody; 5430437E11Rik; aifm2; AIFM2_HUMAN; AMID; Apoptosis inducing factor (AIF) homologous mitochondrion associated inducer of death; Apoptosis inducing factor (AIF) like mitochondrion associated inducer of death; Apoptosis inducing factor mitochondrion associated 2; Apoptosis-inducing factor 2; Apoptosis-inducing factor homologous mitochondrion-associated inducer of death; Apoptosis-inducing factor-like mitochondrion-associated inducer of death; Cys51Stop; HGNC11998; p53 responsive gene 3; p53 tumor suppressor; p53-responsive gene 3 protein; PRG3; TRP53; Tumor protein p53; anti-AIFM2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	AIFM2 antibody detects endogenous levels of total AIFM2
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	373
Applicable Applications for anti-AIFM2 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide derived from human AIFM2
Subcellular Location	Cytoplasm. Mitochondrion outer membrane.
Tissue Specificity	Detected in most normal tissues as two transcripts of 1.8 and 4.0 kb in length, respectively. Highly expressed in heart, moderately in liver and skeletal muscles, and expressed at low levels in placenta, lung, kidney, and pancreas. Both transcripts expressed following p53/TP53 induction. The shorter 1.8 kb transcript seems to be the major transcript in EB1 colon cancer cells.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)
Western blot analysis of AIFM2 using RAW264.7 whole cell lysates



IF (Immunofluorescence)
AAA327560 staining HeLa cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-AIFM2 antibody	Function: Oxidoreductase, which may play a role in mediating a p53/TP53-dependent apoptosis response. Probable oxidoreductase that acts as a caspase-independent mitochondrial effector of apoptotic cell death. Binds to DNA in a sequence-independent manner. May contribute to genotoxin-induced growth arrest. Similarity: Belongs to the FAD-dependent oxidoreductase family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	311082415
NCBI GeneID	84883
NCBI Accession #	NP_001185625.1
NCBI GenBank Nucleotide #	NM_001198696.1
UniProt Accession #	Q9BRQ8; Q63Z39; B3KXI0
Molecular Weight	Observed: 40 kDa Predicted: 41 kDa
NCBI Official Full Name	apoptosis-inducing factor 2
NCBI Official Synonym Full Names	apoptosis inducing factor, mitochondria associated 2
NCBI Official Symbol	AIFM2
NCBI Official Synonym Symbols	AMID; PRG3
NCBI Protein Information	apoptosis-inducing factor 2
UniProt Protein Name	Apoptosis-inducing factor 2
UniProt Gene Name	AIFM2

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/aifm2-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/327560>