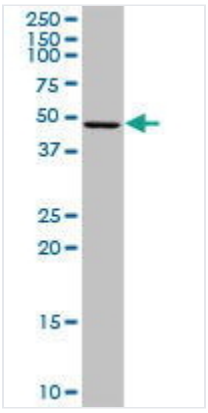
AIFM2 Antibody – Rabbit Polyclonal

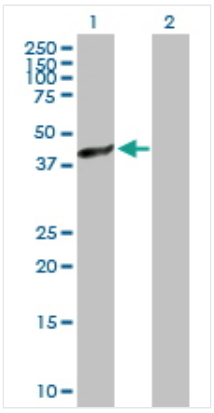
PRODUCT OVERVIEW

Product Name	AIFM2, Polyclonal Antibody
Full Product Name	AIFM2 (Apoptosis-inducing Factor 2, Apoptosis-inducing Factor Homologous Mitochondrion-associated Inducer of Death, Apoptosis-inducing Factor-lik
Product Gene Name	anti-AIFM2 antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Horseradish Peroxidase (HRP).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human AIFM2. Species Crossreactivity: mouse.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and stor
Molecular Weight	36,520 Da
OMIM	605159
3D Structure	ModBase 3D Structure for Q9BRQ8
Immunogen	Full length human AIFM2, aa1-373 (NP_116186.1).
Immunogen Sequence	MGSQVSVESGALHVVIVGGGFGGIAAASQLQALNVPFMLVDMKDSFHHNVAALRASVETGFAKKTFISYSVTFKDNFRQGLVVGIDLKNQMVLLQGGEAL
Conjugate	HRP
Note	Preservative Free
Product Categories/Family for anti-AIFM2 antibody	Antibodies; Apoptosis
Applications Tested/Suitable for anti-AIFM2 antibody	Western Blot (WB)
Application Notes for anti-AIFM2 antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-AIFM2 antibody	The p53 tumor suppressor protein induces cell cycle arrest or apoptosis in response to cellular stresses. PRG3 (p53-responsive gene 3), is induced sp
Other Notes	Small volumes of anti-AIFM2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necess

Searchable Terms for AIFM2 purchase	MBS6369169 is an antibody targeting AIFM2. Also known as AIFM2 (Apoptosis-inducing Factor 2, Apoptosis-inducing Factor Homologous Mitochondri



Western Blot (WB) of anti-AIFM2 antibody
AIFM2 rabbit polyclonal antibody. Western Blot analysis of AIFM2 expression in mouse lung.



Western Blot (WB) of anti-AIFM2 antibody
Western Blot analysis of AIFM2 expression in transfected 293T cell line by AIFM2 polyclonal antibody. Lane 1: AIFM2 transfected lysate (40.5kD). Lane 2: Non-transfected lysate.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for AIFM2. It may not necessarily be applicable to this product.

NCBI GI #	14318424
NCBI GeneID	84883
NCBI Accession #	NP_116186.1
UniProt Primary Accession #	Q9BRQ8
UniProt Secondary Accession #	Q63Z39; B3KXI0
UniProt Related Accession #	Q9BRQ8
GenBank Nucleotide #	NM_032797
NCBI Official Full Name	apoptosis-inducing factor 2
NCBI Official Synonym Full Names	apoptosis-inducing factor, mitochondrion-associated, 2
NCBI Official Symbol	AIFM2
NCBI Official Synonym Symbols	AMID; PRG3
UniProt Protein Name	Apoptosis-inducing factor 2
UniProt Synonym Protein Names	Apoptosis-inducing factor homologous mitochondrion-associated inducer of death; Apoptosis-inducing factor-like mitochondrion-associated inducer of death; p53-responsive gene 3 protein
Protein Family	Apoptosis-inducing factor
UniProt Gene Name	AIFM2
UniProt Synonym Gene Names	AMID; PRG3
UniProt Entry Name	AIFM2_HUMAN
NCBI Protein Information	apoptosis-inducing factor 2; p53-responsive gene 3 protein; apoptosis-inducing factor (AIF)-like mitochondrion-associated inducer of death; apoptosis-inducing factor (AIF)-homologous mitochondrion-associated inducer of death
NCBI Summary for AIFM2	This gene encodes a flavoprotein oxidoreductase that binds single stranded DNA and is thought to contribute to apoptosis in the presence of bacterial and viral DNA. The expression of this gene is also found to be induced by tumor suppressor protein p53 in colon cancer cells. [provided by RefSeq, Nov 2010]

UniProt Comments for AIFM2	AIFM2: 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. Belongs to the FAD-dependent oxidoreductase family. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Oxidoreductase; Mitochondrial; Apoptosis; Membrane protein, integral; EC 1.-.-.- Chromosomal Location of Human Ortholog: 10q22.1 Cellular Component: extracellular space; mitochondrial outer membrane; mitochondrion; cytoplasm; integral to membrane; lipid particle; cytosol Molecular Function: FAD binding; NADH dehydrogenase (ubiquinone) activity; DNA binding; electron-transferring-flavoprotein dehydrogenase activity Biological Process: apoptotic mitochondrial changes; positive regulation of apoptosis
Research Articles on AIFM2	**1.** Observational study of gene-disease association. (HuGE Navigator)
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