



AMID Polyclonal Antibody

Catalog No	YP-Ab-00297
Isotype	IgG
Reactivity	Human;Mouse;Monkey
Applications	WB;IHC;IF;ELISA
Gene Name	AIFM2
Immunogen	The antiserum was produced against synthesized peptide derived from human AIFM2. AA range:141-190
Specificity	AMID Polyclonal Antibody detects endogenous levels of AMID protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/40000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	AIFM2;AMID;FSP1;AIFM 2;Apoptosis inducing factor 2;Apoptosis-inducing factor 2;PRG3;Apoptosis-inducing factor homologous mitochondrion-associated inducer of death;Apoptosis-inducing factor-like mitochondrion-associated inducer of death;p53-responsive gene 3 protein
Observed Band	41kD
Calculated Molecular Weight	41kD
Cell Pathway	Lipid droplet . Cell membrane ; Lipid-anchor . Cytoplasm . Mitochondrion membrane . Nucleus .
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.
Function	cofactor:FAD. Binds 6-hydroxy-FAD non-covalently.,function:Oxidoreductase, which may play a role in mediating a TP53/p53-dependent apoptosis response. Probable oxidoreductase that acts as a caspase-independent mitochondrial

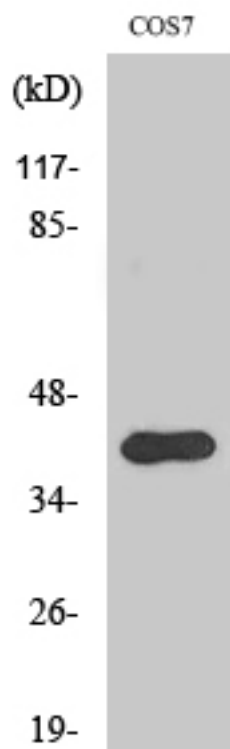


effector of apoptotic cell death. Binds to DNA in a sequence-independent manner. May contribute to genotoxin-induced growth arrest., induction:Expression detected at 4 hours after induction by TP53/p53. Down-regulated in a wide range of human tumors.,similarity:Belongs to the FAD-dependent oxidoreductase family.,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 TP53/p53 induction. The shorter 1.8 kb transcript seems to be the major tra

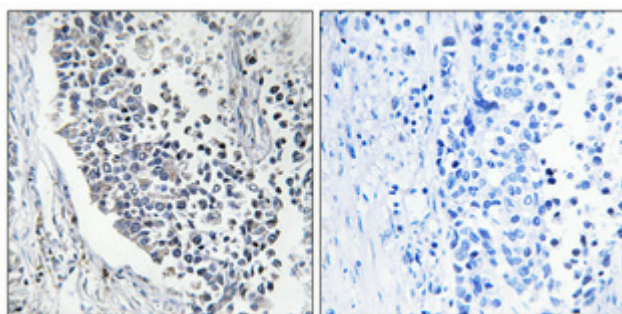
Background	This gene encodes a flavoprotein oxidoreductase that binds single stranded DNA and is thought to contribute to apoptosis in the presence of bacterial and viral DNA. The expression of this gene is also found to be induced by tumor suppressor protein p53 in colon cancer cells. [provided by RefSeq, Nov 2010],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



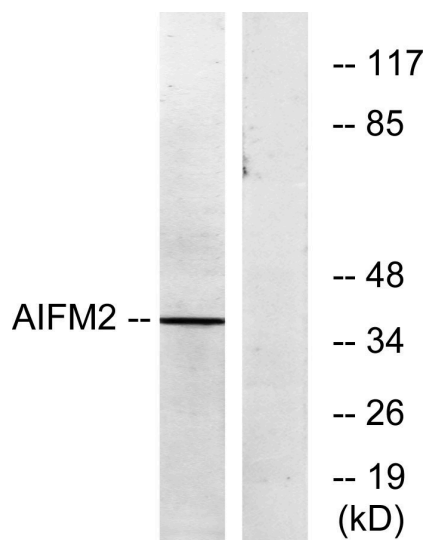
Products Images



Western Blot analysis of various cells using AMID Polyclonal Antibody



Immunohistochemical analysis of paraffin-embedded Human lung cancer. Antibody was diluted at 1:100 (4° overnight). High-pressure and temperature Tris-EDTA, pH 8.0 was used for antigen retrieval. Negative control (right) obtained from antibody was pre-absorbed by immunogen peptide.



Western blot analysis of lysates from COS7 cells, using AIFM2 Antibody. The lane on the right is blocked with the synthesized peptide.