

Mouse AFP Monoclonal Antibody | anti-AFP antibody

AFP antibody

CATALOG # AAA106232	HOST Mouse	APPLICATIONS Western Blot, Immunohistochemistry, Immunofluorescence, Flow Cytometry, Functional Assay
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PRODUCT SYNONYMS

AFP; Monoclonal Antibody; AFP antibody; Monoclonal AFP; Anti-AFP; alpha Fetoprotein; alpha-Fetoprotein; anti-AFP antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG2b
Clone Number	2A9
Purity/Purification	AFP antibody was purified by affinity chromatography.
Form/Format	Supplied in PBS buffer, pH 7.3, containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration	500 ug-1 mg/ml (varies by lot)
Sequence Length	609
Applicable Applications for anti-AFP antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Biological Significance	Alpha-fetoprotein (AFP) is a protein that in humans is encoded by the AFP gene. Alpha-fetoprotein is a major plasma protein produced by the yolk sac and the liver during fetal life. The protein is thought to be the fetal counterpart of serum albumin, and the alpha-fetoprotein and albumin genes are present in tandem on chromosome 4.
Cross-Reactivity	Human, Dog, Monkey
Immunogen	AFP antibody was raised in mouse using a full length recombinant protein of human AFP (NP_001125) produced in HEK293T cells, as the immunogen.
Preparation and Storage	Store at 4 degree C for short term storage. Aliquot and store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.

IMAGES



IF (Immunofluorescence)

Immunofluorescent staining of COS7 cells transiently transfected with recombinant AFP protein using AFP antibody



IHC (Immunohistochemistry)

Immunohistochemical analysis of AFP protein in paraffin embedded Human liver tissue using AFP antibody



WB (Western Blot)

Western Blot analysis of HEK293T cell lysates (5 ug) transfected with either recombinant AFP protein (Right) or empty vector (Left) detected with AFP antibody

ADDITIONAL INFORMATION

Related Product Information for anti-AFP antibody	Mouse monoclonal AFP antibody
Product Categories/Family for anti-AFP antibody	Cancer

NCBI AND UNIPROT INFORMATION

NCBI GI #	4501989
NCBI GeneID	174
NCBI Accession #	NP_001125
NCBI GenBank Nucleotide #	NM_001134.2
UniProt Accession #	P02771; B2RBU3
Molecular Weight	68,678 Da
NCBI Official Full Name	alpha-fetoprotein
NCBI Official Synonym Full Names	alpha fetoprotein
NCBI Official Symbol	AFP
NCBI Official Synonym Symbols	AFPD; FETA; HPAFP
NCBI Protein Information	alpha-fetoprotein
UniProt Protein Name	Alpha-fetoprotein
UniProt Gene Name	AFP
UniProt Synonym Gene Names	HPAFP
UniProt Entry Name	FETA_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/monoclonal/afp-antibody-clone-2a9-western-blot-immunohistochemistry-immunofluorescence-flow-cytometry-elisa/106232>