

Mouse anti-Human AFP Monoclonal Antibody | anti-AFP antibody

AFP Antibody

CATALOG # AAA290841	HOST Mouse	REACTIVITY Human	APPLICATIONS ELISA, Western Blot
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PRODUCT SYNONYMS

AFP; Monoclonal Antibody; AFP Antibody; Alpha-fetoprotein; Alpha-1-fetoprotein; Alpha-fetoglobulin; HPAFP; anti-AFP antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2b,k
Clone Number	1087CT8.3.5
Specificity	This AFP antibody is generated from a mouse immunized with a KLH conjugated synthetic peptide between 281-609 amino acids from human AFP.
Form/Format	Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column, followed by dialysis against PBS.
Sequence Length	609
Applicable Applications for anti-AFP antibody	ELISA, WB (Western Blot)
Function	Binds copper, nickel, and fatty acids as well as, and bilirubin less well than, serum albumin. Only a small percentage (less than 2%) of the human AFP shows estrogen-binding properties.
Cellular Location	Secreted.
Tissue Location	Plasma. Synthesized by the fetal liver and yolk sac
Preparation and Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)

AAA290841 staining AFP in human liver tissue sections by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with formaldehyde and blocked with 3% BSA for 0.5 hour at room temperature; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody (1/25) for 1 hours at 37°C. A undiluted biotinylated goat polyclonal antibody was used as the secondary antibody.



WB (Western Blot)

Anti-AFP Antibody at 1:500 dilution + HepG2 whole cell lysate. Lysates/proteins at 20 ug per lane. Secondary Goat Anti-mouse IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 68 kDa. Blocking/Dilution buffer: 5% NFDm/TBST.



WB (Western Blot)

Anti-AFP Antibody at 1:2000 dilution + human fetal Liver lysateLysates/proteins at 20 ug per lane.SecondaryGoat Anti-mouse IgG, (H+L), Peroxidase conjugated at 1/10000 dilution.Predicted band size : 68 kDaBlocking/Dilution buffer: 5% NFDm/TBST.

ADDITIONAL INFORMATION

Related Product Information for anti-AFP antibody	Binds copper, nickel, and fatty acids as well as, and bilirubin less well than, serum albumin. Only a small percentage (less than 2%) of the human AFP shows estrogen-binding properties.
Product Categories/Family for anti-AFP antibody	Crown Antibodies ; Primary Antibodies ; Cancer ; Cardiovascular ; Developmental Biology ; Signal Transduction
References	Morinaga T.,et al.Proc. Natl. Acad. Sci. U.S.A. 80:4604-4608 (1983). Gibbs P.E.M.,et al.Biochemistry 26:1332-1343 (1987). Ota T.,et al.Nat. Genet. 36:40-45 (2004). Sakai M.,et al.J. Biol. Chem. 260:5055-5060 (1985). McVey J.H.,et al.Hum. Mol. Genet. 2:379-384 (1993).

NCBI AND UNIPROT INFORMATION

NCBI GI #	4501989
NCBI GeneID	174
NCBI Accession #	NP_001125.1
NCBI GenBank Nucleotide #	NM_001134.2
UniProt Accession #	P02771; B2RBU3
Molecular Weight	68678 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

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-1087ct8-3-5-western-blot-elisa/290841>