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AFP Antibody
Purified Mouse Monoclonal Antibody (Mab)
Catalog # AM8611b

Specification

AFP Antibody - Product Information

Application	**WB, IHC-P,E**
Primary Accession	P02771
Reactivity	**Human**
Host	**Mouse**
Clonality	**monoclonal**
Isotype	**IgG2b,k**
Calculated MW	**68678**

AFP Antibody - Additional Information

Gene ID 174

Other Names
Alpha-fetoprotein, Alpha-1-fetoprotein, Alpha-fetoglobulin, AFP, HPAFP

Target/Specificity
This AFP antibody is generated from a mouse immunized with a KLH conjugated synthetic peptide between 281-609 amino acids from human AFP.

Dilution
WB~~1:2000
IHC-P~~1:25

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.

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.

Precautions
AFP Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

AFP Antibody - Protein Information

Name AFP

Synonyms HPAFP

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.

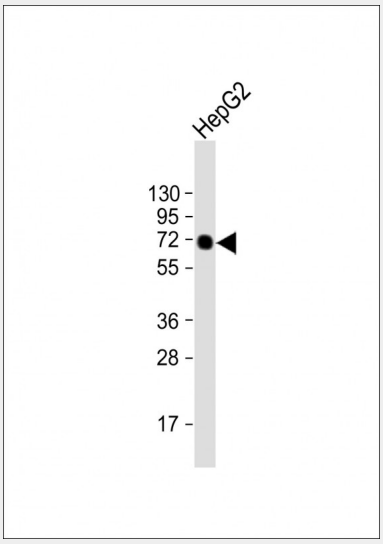
Tissue Location
Plasma. Synthesized by the fetal liver and yolk sac

AFP Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

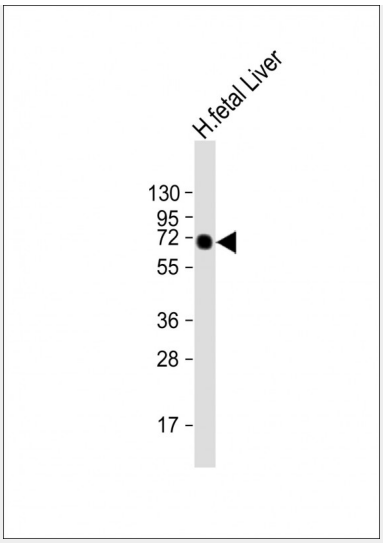
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

AFP Antibody - Images

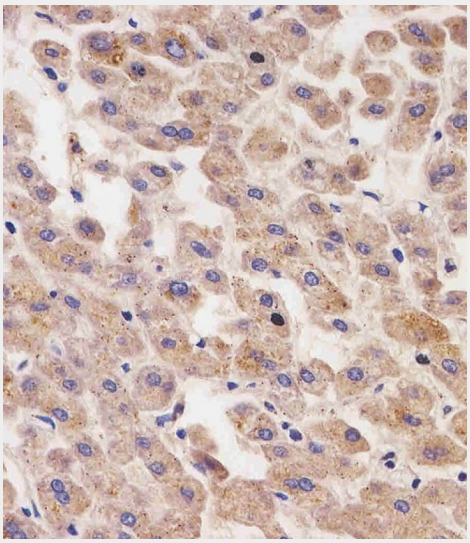


Anti-AFP Antibody at 1:500 dilution + HepG2 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-mouse IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 68 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

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Anti-AFP Antibody at 1:2000 dilution + human fetal Liver lysate Lysates/proteins at 20 µg 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.



AM8611b 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 polyvalent antibody was used as the secondary antibody.

AFP Antibody - Background

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.

AFP Antibody - 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).

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