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AFP Antibody

Purified Mouse Monoclonal Antibody (Mab)
Catalog # AM8611b

Product Information

Application	WB, IHC-P, E
Primary Accession	P02771
Reactivity	Human
Predicted	Bovine, Canine, Rabbit
Host	Mouse
Clonality	monoclonal
Isotype	IgG2b,k
Clone Names	1087CT8.3.5
Calculated MW	68678

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~~1:500 IHC-P~~1:100~500 E~~Use at an assay dependent concentration.
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.

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

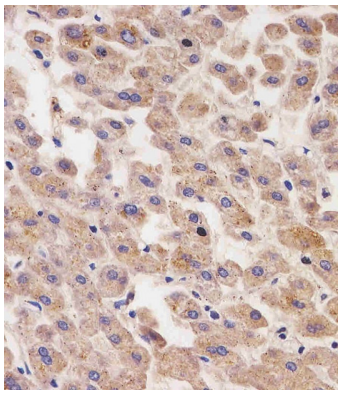
Background

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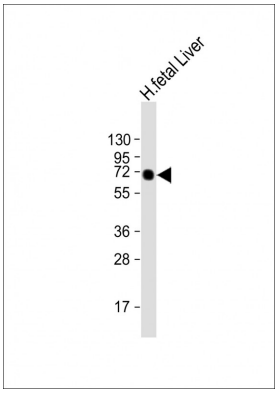
References

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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).

Images

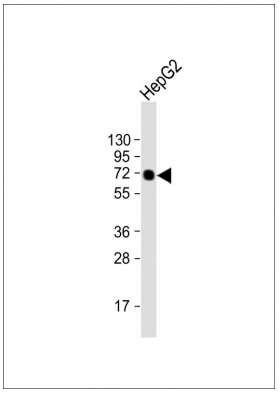


AM8611b staining AFP in human liver tissue sections by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with formaldehyde and blocked with 3% BSA for 0. 5 hour at room temperature; antigen retrieval was by heat mediation with a citrate buffer (pH6). 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.



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.

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.



Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.