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AFP (Alpha Fetoprotein) (Hepatocellular/Germ Cell Tumor Marker) Antibody - With BSA and Azide

Mouse Monoclonal Antibody [Clone C2]
Catalog # AH11151

Specification

AFP (Alpha Fetoprotein) (Hepatocellular/Germ Cell Tumor Marker) Antibody - With BSA and Azide - Product Information

Application	**,2,3,4,**
Primary Accession	P02771
Other Accession	174, 518808
Reactivity	**Human, Mouse**
Host	**Mouse**
Clonality	**Monoclonal**
Isotype	**Mouse / IgG1, kappa**
Calculated MW	**70kDa KDa**

AFP (Alpha Fetoprotein) (Hepatocellular/Germ Cell Tumor Marker) Antibody - With BSA and Azide - Additional Information

Gene ID 174

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

Storage
Store at 2 to 8°C.Antibody is stable for 24 months.

Precautions
AFP (Alpha Fetoprotein) (Hepatocellular/Germ Cell Tumor Marker) Antibody - With BSA and Azide is for research use only and not for use in diagnostic or therapeutic procedures.

AFP (Alpha Fetoprotein) (Hepatocellular/Germ Cell Tumor Marker) Antibody - With BSA and Azide - 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

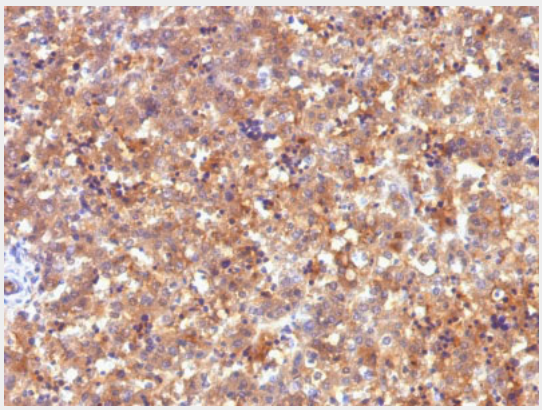
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AFP (Alpha Fetoprotein) (Hepatocellular/Germ Cell Tumor Marker) Antibody - With BSA and Azide - Protocols

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 (Alpha Fetoprotein) (Hepatocellular/Germ Cell Tumor Marker) Antibody - With BSA and Azide - Images



Formalin-fixed, paraffin-embedded human Fetal Liver stained with AFP Monoclonal Antibody (C2).

AFP (Alpha Fetoprotein) (Hepatocellular/Germ Cell Tumor Marker) Antibody - With BSA and Azide - Background

It recognizes an oncofetal glycoprotein with a single chain of 70kDa, which is identified as alpha fetoprotein (AFP) (ISOBM TD-2 workshop). This MAb is highly specific to AFP and shows no cross-reaction with other oncofetal antigens or serum albumin. AFP is normally synthesized in the liver, intestinal tract, and yolk sac of the fetus. Antibody to AFP has been shown to be useful in detecting hepatocellular carcinomas (HCC) and germ cell neoplasms, especially yolk sac tumors.

AFP (Alpha Fetoprotein) (Hepatocellular/Germ Cell Tumor Marker) Antibody - With BSA and Azide - References

Tsung K., et al.Milunsky A., Alpert E. Derivation and characterization of a monoclonal hybridoma antibody specific for human alpha-fetoprotein. J. Immunol. Methods 39: 363-368, (1980) | Michell B., Fiebach H., Karsten U., Goussev A.I., Yazova A.K., Knopp J. Monoclonal antibodies to different epitopes of human alpha-fetoprotein (AFP). Eur. J. Cancer Clin. Oncol. 19:1239-1246, (1983). | Yazova A.K., Goussev A.I., Poltorania V.S., Yakimenko E.F., Human alpha- fetoprotein epitopes as revealed by monoclonal antibodies. Immunol. Lett. 25: 325-330, (1990). | Nustad K., Paus E., Kierulf B., Bormer O.P. Specificity and affinity of 30 monoclonal antibodies against alpha-fetoprotein. Tumor Biol 19: 293 -300, (1998). | Yakimenko E.F., Karamova E.R., Goussev A.I., Hilgers J., Abelev G.I., Yazova A.K.: Epitope mapping of human alpha-fetoprotein. Tumor Biol 19: 301309, (1998)