Rabbit Anti-AFP [EP209]: RM0001

Intended Use: For Research Use Only

Description: Alpha-fetoprotein (AFP) is the most abundant plasma protein found in the human fetus. It is thought to be the fetal form of serum albumin. AFP binds to copper, nickel, fatty acids and bilirubin and is found in monomeric, dimeric and trimeric forms. Alpha-Fetoprotein (AFP) is synthesized by the cells of the embryonic yolk sac, fetal liver and fetal intestinal tract. AFP levels decrease soon after birth. In abnormal tissues, expression of AFP has been demonstrated in hepatocellular carcinoma, hepatoid adenocarcinoma, germ cell tumors and particularly yolk sac tumor. The anti-AFP antibody may be useful for the identification of neoplastic liver diseases, yolk sac tumors and mixed germ cell tumors.

Specifications:

Clone:	EP209
Source:	Rabbit
Isotype:	IgG
Reactivity:	Human
Localization:	Cytoplasm
Formulation:	Purified antibody in PBS pH7.2, containing < 0.2% BSA and < 0.09% sodium azide (NaN3).
Storage:	Store at 2°- 8°C. For longer periods of storage, store at -20°C. Avoid repeat freeze-thaw cycles
Applications:	IHC

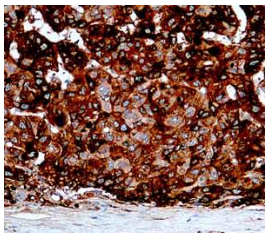
Package:

Description	Catalog No.	Size
AFP Concentrated	RM0001	1 ml

IHC Procedure*:

Positive Control Tissue:	Fetal liver, HCC
Concentrated Dilution:	50-200
Pretreatment:	EDTA pH8.0, 15 minutes using Pressure Cooker, or 30-60 minutes using water bath at 95°-99°C
Incubation Time and Temp:	30-60 minutes @ RT
Detection:	Refer to the detection system manual

* Result should be confirmed by an established diagnostic procedure.



FFPE human HCC stained with anti-AFP using DAB

References:

1. Establishment and characterization of 7 novel hepatocellular carcinoma cell lines from patient-derived tumor xenografts. Xin H, et al. PLoS One 9:e85308, 2014.
2. Specificity and affinity of 30 monoclonal antibodies against alpha-fetoprotein. Nustad K., et al. Tumor Biol 19: 293 -300, 1998.
3. Human alpha- fetoprotein epitopes as revealed by monoclonal antibodies. Yazova A.K., et al. Immunol. Lett. 25: 325-330, 1990. Monoclonal antibodies to different epitopes of human alpha-fetoprotein (AFP). Michell B., et al. Eur. J. Cancer Clin. Oncol. 19:1239-1246, 1983.

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