Catalog: OM638930

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AFP

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☐ 100 µl

Product profile

Product name	AFP
Antibody Type	Primary Antibodies
Product description	α-fetoprotein (AFP) is expressed in fetal liver at varying levels throughout development and is present onl y in trace amounts in normal adult tissues. AFP can be detected at abnormally high concentrations in hep atocellular carcinomas as well as in the plasma and ascitic fluid of adults with hepatoma. High AFP conce ntrations have been correlated with tumor cell growth, indicating that AFP can serve as a tumor marker. A FP binds copper, nickel and fatty acids, and in some cases may bind serum albumin or estrogen. It has be en demonstrated that the AFP promoter is a target for NF-1 (nuclear factor-1), HNF-1 (hepatocyte nucle ar factor-1) and C/EBP transcription factors. While HNF-1 binding to the AFP promoter results in AFP expr ession, NF-1 binding results in a decrease in AFP promoter activity.
Immunogen	Recombinant protein.

Key Feature

Clonality	Polyclonal
Isotype	IgG
Host Species	Rabbit
Tested Applications	WB ,ICC ,IHC ,FC
Species Reactivity	Human Mouse Rat
Concentration	1 mg/mL.

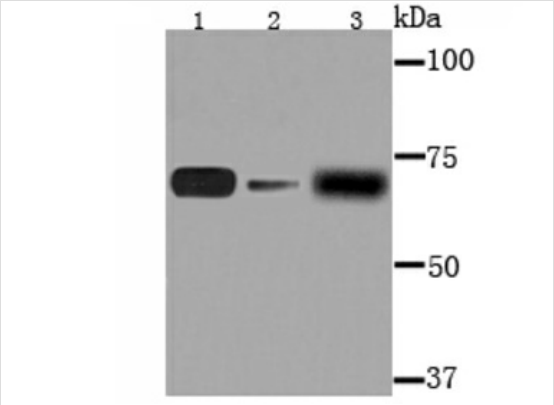
Target Information

Alternative Names	Afp antibody AFPD antibody Alpha fetoglobulin antibody Alpha fetoprotein antibody Alpha fetoprotein pr ecursor antibody Alpha-1-fetoprotein antibody Alpha-fetoglobulin antibody Alpha-fetoprotein antibody a lpha-fetoprotein, Hereditary persistence of, included antibody FETA antibody FETA_HUMAN antibody H ereditary persistence of alpha fetoprotein antibody HPAFP antibody
Cellular Localization	Secreted.

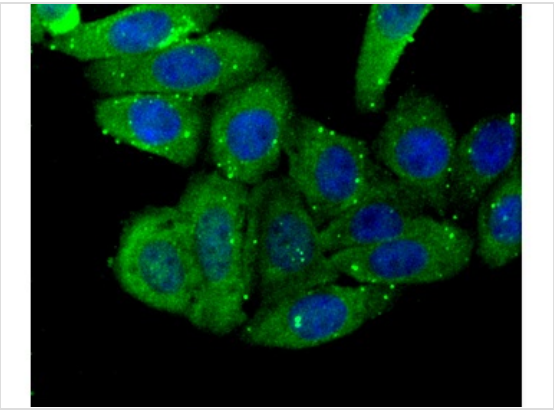
Database Links

SwissProt ID	P02771
	P02772
	P02773

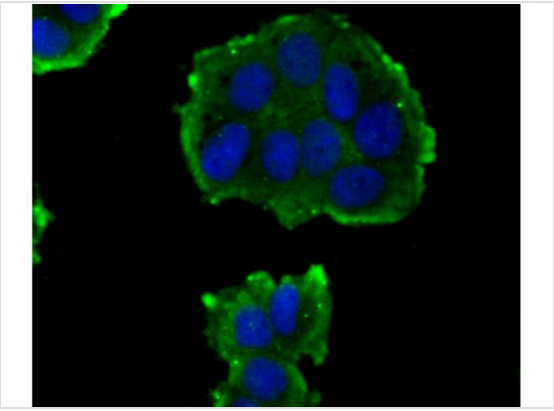
Application



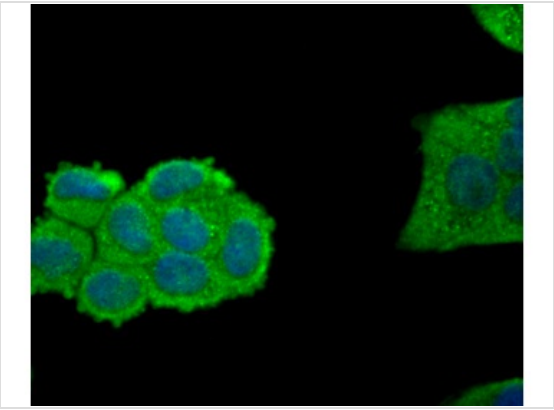
Application
Fig1: Western blot analysis of AFP on different lysates using anti-AFP antibody at 1/1,000 dilution. Postive control: Lane 1: MCF-7 Lane 2: PC-12 Lane 3: Human liver tissue



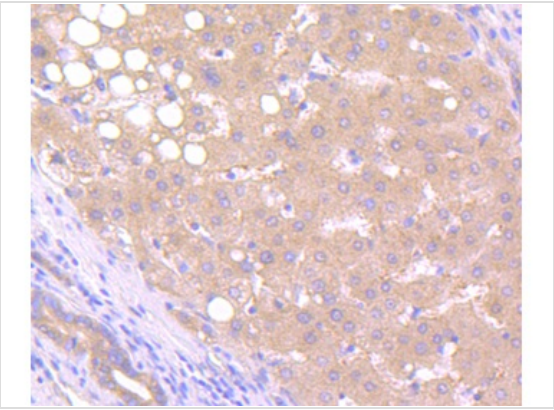
Application
Fig2: ICC staining AFP in HepG2 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



Application
Fig3: ICC staining AFP in MCF-7 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

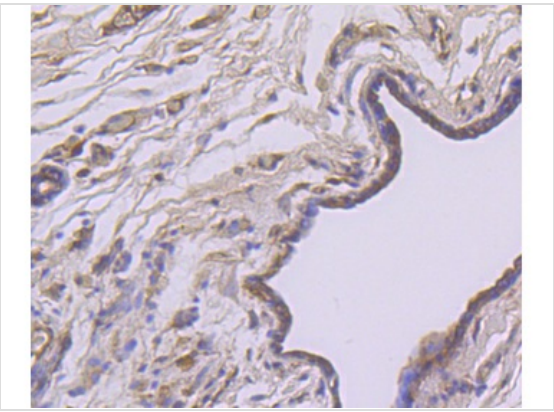


Application
Fig4: ICC staining AFP in Hela cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



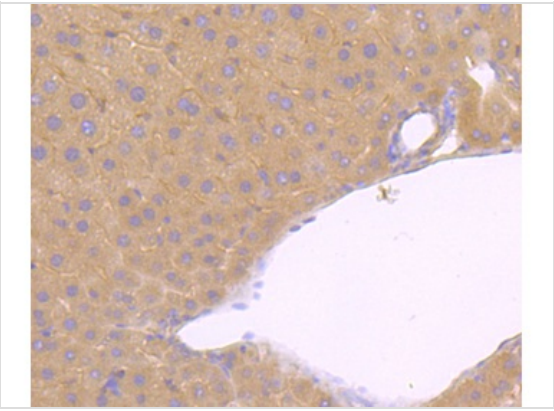
Application

Fig5: Immunohistochemical analysis of paraffin-embedded human liver cancer tissue using anti-AFP antibody. Counter stained with hematoxylin.



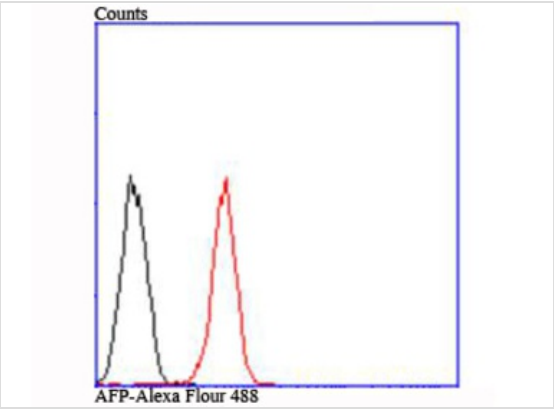
Application

Fig6: Immunohistochemical analysis of paraffin-embedded human breast cancer tissue using anti-AFP antibody. Counter stained with hematoxylin.



Application

Fig7: Immunohistochemical analysis of paraffin-embedded mouse liver tissue using anti-AFP antibody. Counter stained with hematoxylin.



Application

Fig8: Flow cytometric analysis of 239T cells with AFP antibody at 1/100 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black).

Positive Control	MCF-7, PC-12 cell lysate, human liver tissue lysate, HepG2, Hela, human liver cancer tissue, human breast cancer tissue, mouse liver tissue, 293T.
Application Notes	**WB**:1:1,000-1:2,000 **ICC**:1:50-1:200 **IHC**:1:50-1:100 **FC**:1:50-1:100

Additional Information

Form	Liquid
Storage Instructions	Store at +4℃ after thawing. Aliquot store at -20℃ or -80℃. Avoid repeated freeze / thaw cycles.
Storage Buffer	1*TBS (pH7.4), 0.5%BSA, 50%Glycerol. Preservative: 0.05% Sodium Azide.
Note	The product is for research use only,not for use in diagnostic or therapeutic procedures.

OmnimAbs.com

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