

A11865

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Alpha-Fetoprotein (AFP) Mouse mAb

Catalog No.: A11865 **2 Publications**

Basic Information

Observed MW

68kDa

Calculated MW

69kDa

Category

Polyclonal Antibody

Applications

WB,IHC-P,IF/ICC,ELISA

Cross-Reactivity

Human

CloneNo number

AMC0029

Background

This gene encodes alpha-fetoprotein, a major plasma protein produced by the yolk sac and the liver during fetal life. Alpha-fetoprotein expression in adults is often associated with hepatocarcinoma and with teratoma, and has prognostic value for managing advanced gastric cancer. However, hereditary persistence of alpha-fetoprotein may also be found in individuals with no obvious pathology. The protein is thought to be the fetal counterpart of serum albumin, and the alpha-fetoprotein and albumin genes are present in tandem in the same transcriptional orientation on chromosome 4. Alpha-fetoprotein is found in monomeric as well as dimeric and trimeric forms, and binds copper, nickel, fatty acids and bilirubin. The level of alpha-fetoprotein in amniotic fluid is used to measure renal loss of protein to screen for spina bifida and anencephaly.

Recommended Dilutions

WB	1:500 - 1:1000
IHC-P	1:50 - 1:200
IF/ICC	1:50 - 1:200

Immunogen Information

Gene ID

174

Swiss Prot

P02771

Immunogen

Recombinant protein of human Alpha-Fetoprotein (Alpha-Fetoprotein (AFP))

Synonyms

AFPD; FETA; HPAFP; Alpha-Fetoprotein (AFP)

Contact



www.abclonal.com

Product Information

Source

Mouse

Isotype

IgG2b,Kappa

Purification

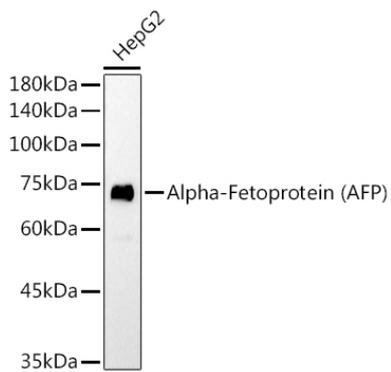
Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.01% thimerosal,50% glycerol,pH7.3.

Validation Data



Western blot analysis of lysates from HepG2 cells, using Alpha-Fetoprotein (AFP) Mouse mAb (A11865) at 1:1000 dilution.

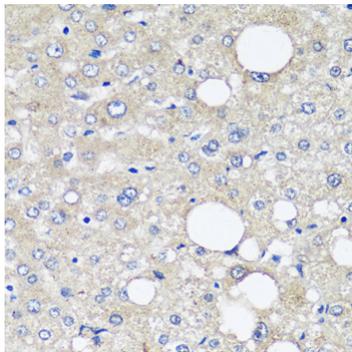
Secondary antibody: HRP Goat Anti-Mouse IgG (H+L) (AS003) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

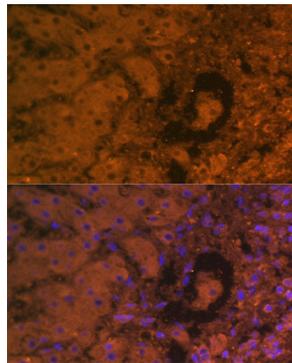
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 180s.



Immunohistochemistry analysis of Alpha-Fetoprotein (AFP) in paraffin-embedded human liver cancer using Alpha-Fetoprotein (AFP) Mouse mAb (A11865) at dilution of 1:12.5 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



Immunofluorescence analysis of paraffin-embedded human liver cancer using Alpha-Fetoprotein (AFP) Mouse mAb (A11865) at dilution of 1:100. Blue: DAPI for nuclear staining.