

# Alpha-Fetoprotein (AFP) Mouse mAb

Catalog No.: A17898 **2 Publications**

## Basic Information

### Observed MW

69kDa

### Calculated MW

69kDa

### Category

Primary antibody

### Applications

WB,IHC-P,IF/ICC,ELISA

### Cross-Reactivity

Human, Mouse, Rat

### CloneNo number

AMC0201

## 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

<b>WB</b>	1:1000 - 1:4000
<b>IHC-P</b>	1:200 - 1:800
<b>IF/ICC</b>	1:100 - 1:400
<b>ELISA</b>	Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

## Contact

	400-999-6126
	cn.market@abclonal.com.cn
	www.abclonal.com.cn

## Immunogen Information

### Gene ID

174

### Swiss Prot

P02771

### Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 19-609 of human Alpha-Fetoprotein (AFP).

### Synonyms

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

## Product Information

### Source

Mouse

### Isotype

IgG1,Kappa

### Purification

Affinity purification

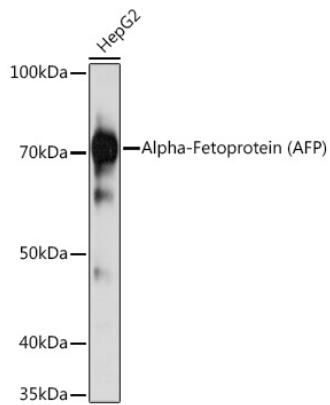
### Storage

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

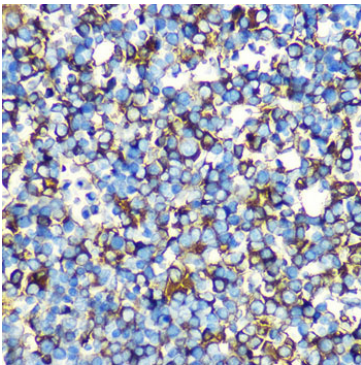
Buffer: PBS with 0.01% thimerosal,50% glycerol,pH7.3.

## Validation Data

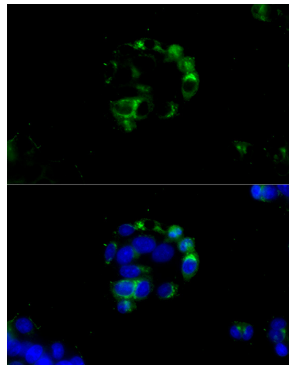
---



Western blot analysis of lysates from HepG2 cells, using Alpha-Fetoprotein (Alpha-Fetoprotein (AFP)) Mouse mAb (A17898) at 1:1000 dilution.  
Secondary antibody: HRP-conjugated 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: 30s.



Immunohistochemistry analysis of paraffin-embedded Mouse fetal liver using Alpha-Fetoprotein (Alpha-Fetoprotein (AFP)) Mouse mAb (A17898) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.



Immunofluorescence analysis of HepG2 cells using Alpha-Fetoprotein (AFP) Mouse mAb (A17898) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.