Leader in Biomolecular Solutions for Life Science

www.abclonal.com

Alpha-Fetoprotein (AFP) Mouse mAb

Catalog No.: A17898 1 Publications

Basic Information

Observed MW
69kDa

Calculated MW
69kDa

Category
Primary antibody

Applications
ELISA,WB,IHC-P,IF/ICC

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 persistance 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 - 1:2000
IHC-P	1:50 - 1:200
IF/ICC	1:50 - 1:200

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)

Contact

400-999-6126

cn.market@abclonal.com.cn

www.abclonal.com.cn

Product Information

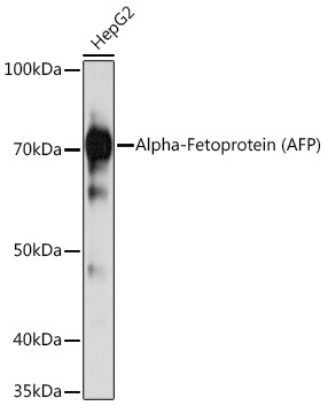
Source
Mouse

Isotype
IgG1,Kappa

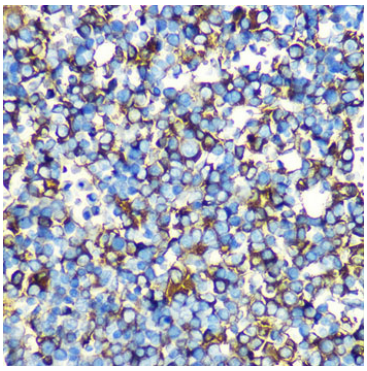
Purification
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS with 0.01% thimerosal,50% glycerol,pH7.3.

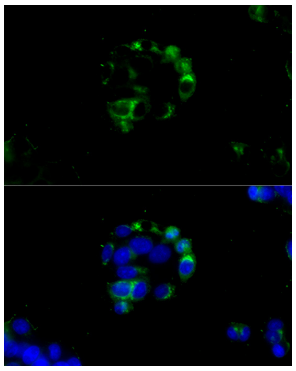
Validation Data



Western blot analysis of lysates from HeLa cells, using Alpha-Fetoprotein (Alpha-Fetoprotein (AFP)) Mouse mAb (A17898) 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: 30s.



Immunohistochemistry analysis of Alpha-Fetoprotein (AFP) in paraffin-embedded Mouse fetal liver using Alpha-Fetoprotein (Alpha-Fetoprotein (AFP)) Mouse mAb (A17898) at dilution of 1:100 (40x lens).Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



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