

A0200

Leader in Biomolecular Solutions for Life Science



Alpha-Fetoprotein (AFP) Rabbit pAb

Catalog No.: A0200

11 Publications

Basic Information

Observed MW

69kDa

Calculated MW

69kDa

Category

Polyclonal Antibody

Applications

WB,IF/ICC,ELISA

Cross-Reactivity

Human,Mouse,Rat

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

IF/ICC 1:50 - 1:200

ELISA Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID

174

Swiss Prot

P02771

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 360-609 of human Alpha-Fetoprotein (Alpha-Fetoprotein (AFP)) (NP_001125.1).

Synonyms

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

Contact

 www.abclonal.com

Product Information

Source

Rabbit

Isotype

IgG

Purification

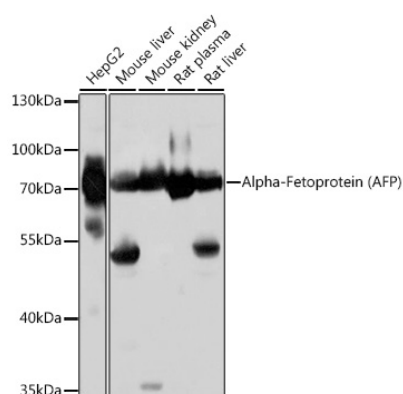
Affinity purification

Storage

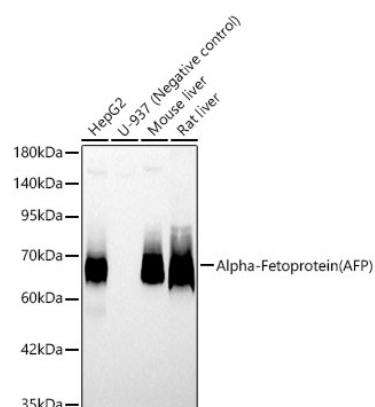
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300,50% glycerol,pH7.3.

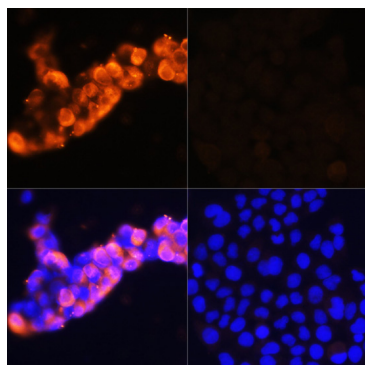
Validation Data



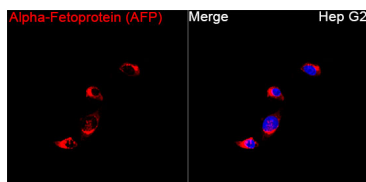
Western blot analysis of various lysates using Alpha-Fetoprotein (AFP) Rabbit pAb (A0200) at 1:1000 dilution.
 Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
 Lysates/proteins: 25µg per lane.
 Blocking buffer: 3% nonfat dry milk in TBST.
 Detection: ECL Basic Kit (RM00020).
 Exposure time: 10s.



Western blot analysis of various lysates, using Alpha-Fetoprotein (AFP) Rabbit pAb (A0200) at 1:400 dilution.
 Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) 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.



Immunofluorescence analysis of HepG2 cells (upper left) and LO2 cells (negative sample control) (upper right) using Alpha-Fetoprotein (AFP) Rabbit pAb (Alpha-Fetoprotein (AFP)) Rabbit pAb (red, A16750) at dilution of 1:100. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of Hep G2 cells using Alpha-Fetoprotein (AFP) Rabbit pAb (A0200) at a dilution of 1:100 (40x lens).
 Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L)(AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.