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Alpha-Fetoprotein (AFP) Rabbit pAb

Catalog No.: A0200

12 Publications

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Basic Information

Observed MW
69 kDa

Calculated MW
69 kDa

Category
Polyclonal Antibodies

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 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 - 1:1000
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
This information is considered to be commercially sensitive.

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

Contact

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Product Information

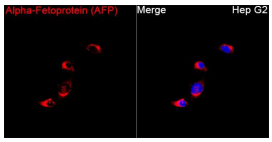
Source
Rabbit

Isotype
IgG

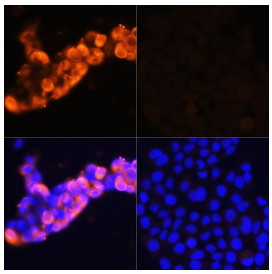
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Affinity purification

Storage
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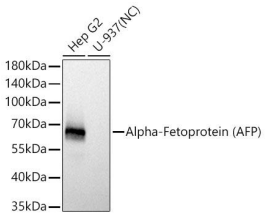
Validation Data



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.



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



Western blot analysis of various lysates using Alpha-Fetoprotein (AFP) Rabbit pAb (A0200) at 1:1000 dilution incubated overnight at 4℃.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1: 10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Negative control (NC): U-937.
Detection: ECL Basic Kit (RM00020).
Exposure time: 1 s.