

# AFP Rabbit Polyclonal Antibody



CAB11013

## Product Information

### Size:

20uL, 50uL, 100uL, 200uL

### Observed MW:

68kDa

### Calculated MW:

68kDa

### Applications:

WB IF

### Reactivity:

Human, Mouse, Rat

## Antibody Information

### Recommended dilutions:

WB 1:500 - 1:2000 IF 1:50 - 1:200

### Source:

Rabbit

### Isotype:

IgG

### Purification:

Affinity purification

## Protein 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 hepatoma or teratoma. 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.

## Immunogen information

### Gene ID:

174

### Uniprot

P02771

### Synonyms:

AFPD; FETA; HPAFP; AFP

### Immunogen:

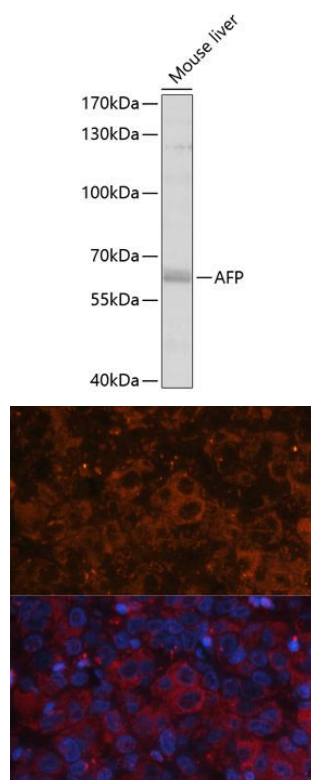
Recombinant fusion protein containing a sequence corresponding to amino acids 360-609 of human AFP (NP\_001125.1).

### Storage:

Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

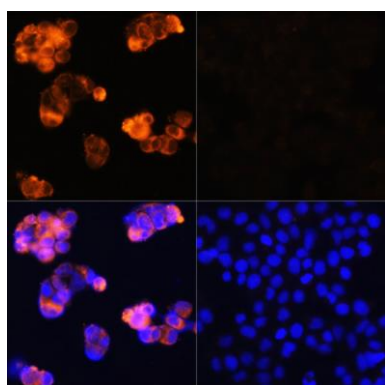
## Product Images

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Western blot analysis of extracts of mouse liver, using AFP antibody (CAB11013) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Enhanced Kit (CABM00021). Exposure time: 60s.

Immunofluorescence analysis of human liver cancer using AFP antibody (CAB11013) at dilution of 1:100. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of HepG2 cells (upper left) and LO2 cells (negative sample control) (upper right) use AFP Rabbit pAb (red, A11013) at dilution of 1:100. Blue: DAPI for nuclear staining.