

A16750

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# Alpha-Fetoprotein (AFP) Rabbit pAb

Catalog No.: A16750

## Basic Information

### Observed MW

75kDa

### Calculated MW

69kDa

### Category

Polyclonal Antibody

### Applications

WB,IF/ICC,IP,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 - 1:2000

IF/ICC 1:50 - 1:200

IP 0.5µg-4µg antibody for  
200µg-400µg extracts of  
whole cells

## Immunogen Information

### Gene ID

174

### Swiss Prot

P02771

### Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 395-609 of Alpha-Fetoprotein (AFP) (NP\_001125.1).

### Synonyms

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

## Contact



[www.abclonal.com](http://www.abclonal.com)

## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

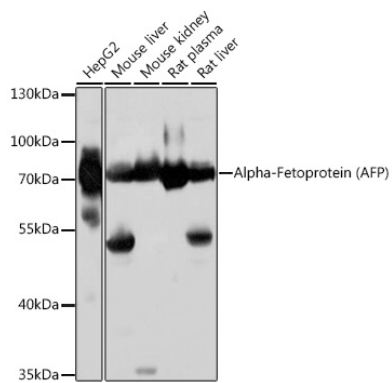
Affinity purification

### Storage

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

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

## Validation Data



Western blot analysis of various lysates using Alpha-Fetoprotein (AFP) Rabbit pAb (A16750) at 1:1000 dilution.

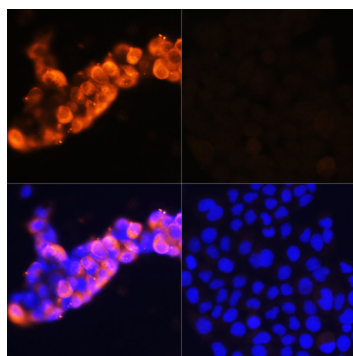
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 10s.



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.