

## Basic Information

Product Name	Anti-AFP Antibody
Gene Name	AFP
Source	Rabbit
Clonality	Polyclonal
Isotype	IgG
Species Reactivity	mouse, rat
Tested Application	WB, ELISA
Contents	500 ug/ml antibody with PBS, 0.02% NaN <sub>3</sub> , 1 mg/ml BSA and 50% glycerol.
Immunogen	E. coli-derived mouse Alpha 1 Fetoprotein recombinant protein (Position: K19-L254).
Concentration	500 ug/ml
Purification	Immunogen affinity purified.
Observed MW	69 kDa
Dilution Ratios	Western blot (WB):1:500-2000 ELISA: 1:100-1000

## Storage

12 months from date of receipt, -20°C as supplied.

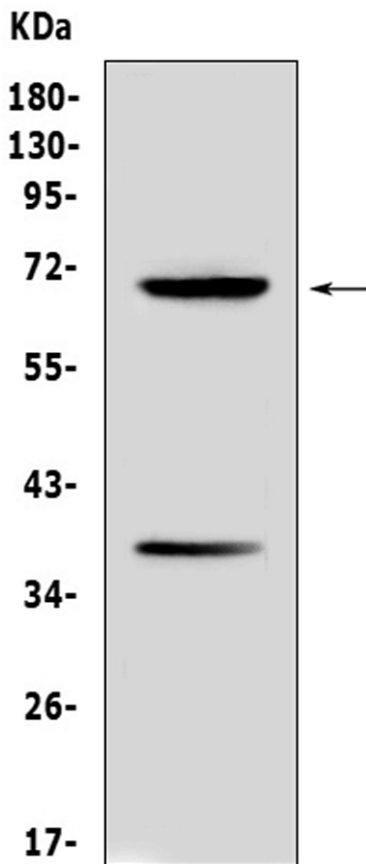
## Background Information

AFP, also called Alpha-fetoprotein;  $\alpha$ -fetoprotein, is a protein that in humans is encoded by the AFP gene. It is mapped to 4q13.3. The level of AFP in amniotic fluid is used to measure renal loss of protein to screen for spina bifida and anencephaly. In rodents AFP binds estradiol to prevent the transport of this hormone across the placenta to the fetus. The main function of this is to prevent the virilization of female fetuses. Moreover, it has an important role as a diagnostic marker, especially in certain tumors and liver diseases of childhood. AFP is also used to test the potential usefulness of plasma alpha fetoprotein determination as a diagnostic marker in biliary atresia, hepatitis, and yolk sac derived tumours.

## Reference

Anti-AFP Antibody被引用在1文献中。

## Selected Validation Data



Western blot analysis of AFP using anti-AFP antibody (A00522). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

Lane 1: mouse HEPA1-6 whole cell lysates.

After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-AFP antigen affinity purified polyclonal antibody (A00522) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for AFP at approximately 69 kDa. The expected band size for AFP is at 69 kDa .