

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

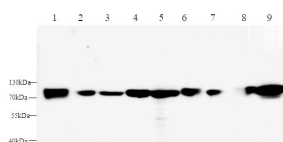
## Description

|                     |  |
|---------------------|--|
| <b>Reactivity</b>   | Human,Mouse,Rat                                    |
| <b>Immunogen</b>    | Recombinant Mouse Afp protein expressed by E.coli  |
| <b>Host</b>         | Rabbit   |
| <b>Isotype</b>      | IgG  |
| <b>Purification</b> | Antigen Affinity Purification                      |
| <b>Conjugation</b>  | Unconjugated                                       |
| <b>Formulation</b>  | PBS with 0.05% Proclin300 and 50% glycerol, pH7.4. |

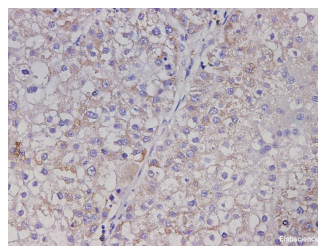
## Applications Recommended Dilution

|            |              |
|------------|--------------|
| <b>WB</b>  | 1:500-1:1000 |
| <b>IHC</b> | 1:200-1:500  |
| <b>IF</b>  | 1:100-1:200  |

## Data



Western blot with Afp Polyclonal antibody at dilution of 1:1000.lane 1:Hep G2 whole cell lysate,lane 2:Mouse placenta,lane 3:Rat placenta,lane 4:Mouse Fetal liver,lane 5:Rat Fetal liver,lane 6: Mouse liver,lane 7:Mouse kidney,lane 8:Rat liver,lane 9:Rat kidney  
**Observed Mw:73 kDa**  
**Calculated Mw:67 kDa**



Immunohistochemistry of paraffin-embedded Mouse liver using AFP Polyclonal Antibody at dilution of 1:50

## Preparation & Storage

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

## 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.

## For Research Use Only

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