# AFP Polyclonal Antibody

**catalog number: E-AB-40293**

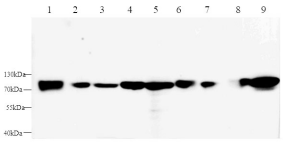
**Note:** *Centrifuge before opening to ensure complete recovery of vial contents.*

## Description

| | |
|---|---|
| **Reactivity** | Human;Mouse;Rat |
| **Immunogen** | Recombinant Mouse Afp protein expressed by E.coli |
| **Host** | Rabbit |
| **Isotype** | IgG |
| **Purification** | Antigen Affinity Purification |
| **Buffer** | PBS with 0.05% Proclin300, 1% protective protein and 50% glycerol, pH7.4 |

| Applications | Recommended Dilution |
|---|---|
| **WB** | 1:500-1:1000 |
| **IHC** | 1:200-1:500 |
| **IF** | 1:100-1:200 |

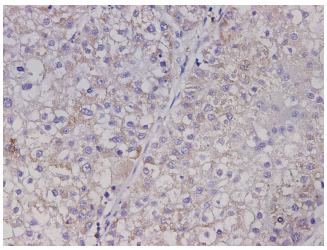
## Data




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 Valid for 12 months. Avoid freeze / thaw cycles. |
| **Shipping** | The product is shipped with ice pack, upon receipt, store it immediately at the temperature recommended. |

## 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 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.


Toll-free: 1-888-852-8623
Tel: 1-832-243-6086
Fax: 1-832-243-6017
Web: www.elabscience.com
Email: techsupport@elabscience.com