

**产品名称:** AFP alpha 1 Fetoprotein(17C5)Mouse Monoclonal Antibody  
**产品货号:** AMM06666



## 产品概述 (Summary)

|                        |                                                        |
|------------------------|--------------------------------------------------------|
| 产品名称 (Production Name) | AFP alpha 1 Fetoprotein(17C5)Mouse Monoclonal Antibody |
| 描述 (Description)       | Mouse monoclonal Antibody                              |
| 宿主 (Host)              | Mouse                                                  |
| 应用 (Application)       | WB,IHC,ICC/IF                                          |
| 种属反应性 (Reactivity)     | Human                                                  |

## 产品性能 (Performance)

|                     |                                                                                                                 |
|---------------------|-----------------------------------------------------------------------------------------------------------------|
| 偶联物 (Conjugation)   | Unconjugated                                                                                                    |
| 修饰 (Modification)   | Unmodified                                                                                                      |
| 同种型 (Isotype)       | IgG                                                                                                             |
| 克隆 (Clonality)      | Monoclonal                                                                                                      |
| 形式 (Form)           | Liquid                                                                                                          |
| 存放说明 (Storage)      | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.                        |
| 储存溶液 (Buffer)       | PBS, pH 7.4, containing 0.5%protective protein, 0.02% New type preservative N as Preservative and 50% Glycerol. |
| 纯化方式 (Purification) | Affinity purification                                                                                           |

## 免疫原信息 (Immunogen)

|                        |                                                                        |
|------------------------|------------------------------------------------------------------------|
| 基因名 (Gene Name)        | AFP                                                                    |
| 别名 (Alternative Names) | AFP; HPAFP; Alpha-fetoprotein; Alpha-1-fetoprotein; Alpha-fetoglobulin |
| 基因 ID (Gene ID)        | 174.0                                                                  |
| 蛋白 ID (SwissProt ID)   | P02771.Synthetic Peptide of AFP alpha 1 Fetoprotein                    |

## 产品应用 (Application)

|                          |                                                    |
|--------------------------|----------------------------------------------------|
| 稀释比 (Dilution Ratio)     | WB 1:1000-1:2000,IHC 1:50-1:300,ICC/IF 1:100-1:200 |
| 蛋白分子量 (Molecular Weight) | 70kDa                                              |

## 研究背景 (Background)

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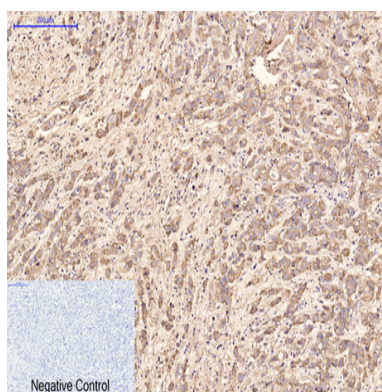
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This gene encodes alpha-fetoprotein, a major plasma protein produced by the yolk sac and the liver during fetal life. Alpha-fetoprotein expression in adults is often associated with hepatoma or teratoma. However, hereditary persistence of alpha-fetoprotein 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. [provided by RefSeq, Jul 2008],developmental stage:Occurs in the plasma of fetuses more than 4 weeks old, reaches the highest levels during the 12th-16th week of gestation, and drops to trace amounts after birth. The serum level in adults is usually less than 40 ng/ml. AFP occurs also at high levels in the plasma and ascitic fluid of adults with hepatoma.,function:Binds copper, nickel, and fatty acids as well as, and bilirubin less well than, serum albumin. Only a small percentage (less than 2%) of the human AFP shows estrogen-binding properties.,online information:Alpha-fetoprotein entry,PTM:Independent studies suggest heterogeneity of the N-terminal sequence of the mature protein and of the cleavage site of the signal sequence.,PTM:Sulfated.,similarity:Belongs to the ALB/AFP/VDB family.,similarity:Contains 3 albumin domains.,subunit:Dimeric and trimeric forms have been found in addition to the monomeric form.,tissue specificity:Plasma. Synthesized by the fetal liver and yolk sac.,

## 研究领域 (Research Area)

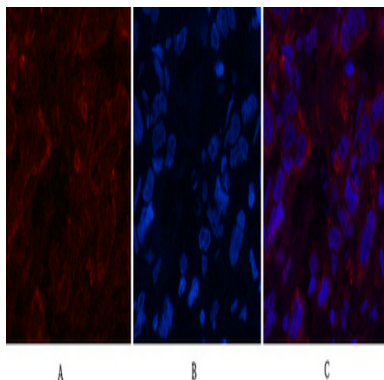
Cardiovascular; Blood; Serum Proteins; Cancer: Tumor biomarkers; Tumor antigens; Developmental; Biology; Organogenesis; Gut development; Liver development; Kits/ Lysates/ Other; Kits; ELISA Kits; Cardiovascular ELISA kits

## 图片 (Image Data)

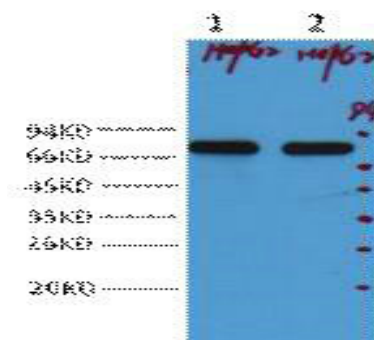


Immunohistochemical analysis of paraffin-embedded Human-breast-cancer tissue. 1,AFP alpha 1 Fetoprotein Monoclonal Antibody (17C5) was diluted at 1:200 (4°C,overnight) . 2, Sodium citrate pH 6.0 was used for antibody retrieval (>98°C,20min) . 3,Secondary antibody was diluted at 1:200 (room tempeRature, 30min) . Negative control was used by secondary antibody only.

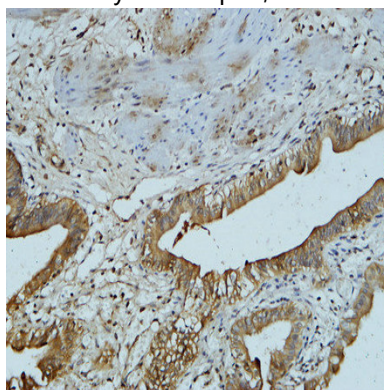
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Immunofluorescence analysis of Human-breast-cancer tissue. 1,AFP alpha 1 Fetoprotein Monoclonal Antibody (17C5) (red) was diluted at 1:200 (4°C,overnight) . 2, Cy3 labeled Secondary antibody was diluted at 1:300 (room temperature, 50min) .3, Picture B: DAPI (blue) 10min. Picture A:Target. Picture B: DAPI. Picture C: merge of A+B

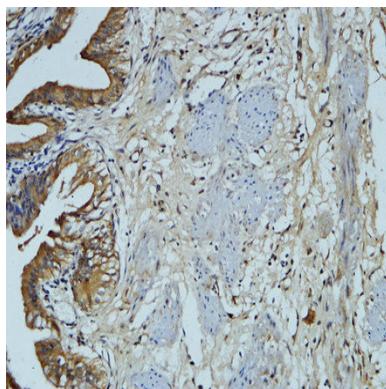


Western blot analysis of HepG2, diluted at 1:2,000.

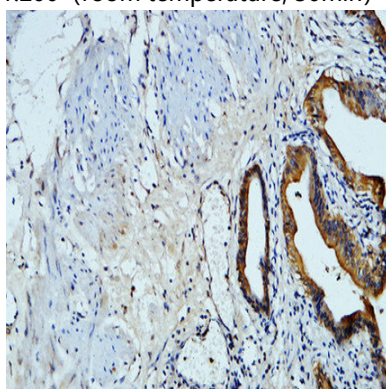


Immunohistochemical analysis of paraffin-embedded Human gallbladder. 1, Antibody was diluted at 1:100 (4°,overnight) . 2, High-pressure and temperature EDTA, pH8.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200 (room temperature, 30min) .

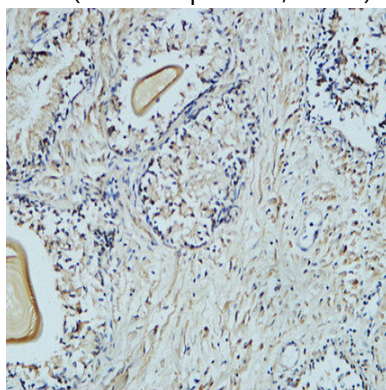
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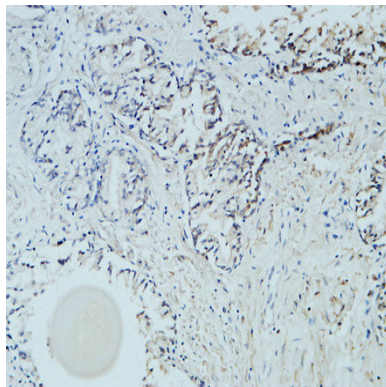


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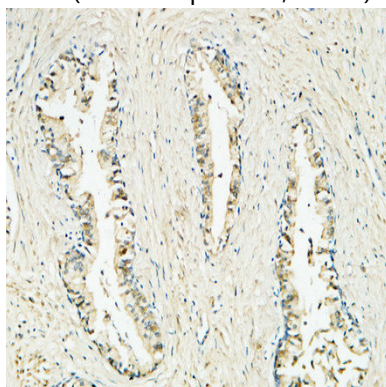


Immunohistochemical analysis of paraffin-embedded Human Prostate. 1, Antibody was diluted at 1:100 (4°,overnight) . 2,  
High-pressure and temperature EDTA, pH8.0 was used for antigen retrieval. 3,Secondary antibody was diluted at  
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Immunohistochemical analysis of paraffin-embedded Human Prostate. 1, Antibody was diluted at 1:100 (4°,overnight) . 2, High-pressure and temperature EDTA, pH8.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200 (room temperature, 30min) .



Immunohistochemical analysis of paraffin-embedded Human Prostate. 1, Antibody was diluted at 1:100 (4°,overnight) . 2, High-pressure and temperature EDTA, pH8.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200 (room temperature, 30min) .

### 注意事项 (Note)

For research use only .