

## AFP

**Reactivity:** Human Mouse Rat

**Tested applications:** WB IHC IF IP

**Recommended Dilution:** WB 1:500 - 1:2000 IHC 1:50 - 1:200 IF 1:50 - 1:200 IP 1:20 - 1:50

**Calculated MW:** 65kDa

**Observed MW:** Refer to Figures

**Immunogen:**

A synthetic peptide of human AFP

**Storage Buffer:**

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Synonym:**

AFP ; FETA; Alpha fetoglobulin; alpha fetoprotein; Alpha 1 fetoprotein; HPAFP

**Catalog #:** A0200

**Antibody Type:**

Polyclonal Antibody

**Species:** Rabbit

**Gene ID:** 174

**Isotype:** IgG

**Swiss Prot:** P02771

**Purity:** Affinity purification

For research use only.

**Background:**

Alpha-fetoprotein (AFP) is a 65 kDa glycoprotein found in the serum of the mammalian fetal liver, yolk sac, and GI tract. While AFP expression in adult cells is low, it is aberrantly expressed in adult liver cancer cells (1,2). The tumor suppressor gene p53 and -catenin are both involved in the regulation of AFP expression. In normal adult cells, p53 binds to the repressor region of the AFP gene, thereby blocking transcription. Mutations in both p53 and -catenin are associated with aberrant expression of AFP. Elevated serum levels are predictive of hepatocellular carcinoma (3).

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