

## Alpha Fetoprotein (AFP) Antibody

Catalogue No.: abx110374

Alpha-Fetoprotein Antibody is a Rabbit Polyclonal antibody against  $\alpha$ -Fetoprotein.  $\alpha$ -fetoprotein is 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.

**Target:** Alpha Fetoprotein (AFP)

**Clonality:** Polyclonal

**Reactivity:** Human

**Tested Applications:** ELISA, IHC

**Host:** Rabbit

**Recommended dilutions:** IHC: 1/500 - 1/1000. Optimal dilutions/concentrations should be determined by the end user.

**Conjugation:** Unconjugated

**Immunogen:** Recombinant human Alpha-fetoprotein (19-609AA).

**Isotype:** IgG

**Form:** Liquid

**Purity:** > 95%

**Purification:** Purified by Protein G.

**Storage:** Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.

**UniProt Primary AC:** P02771 ([UniProt](#), [ExPASy](#))

**Gene Symbol:** AFP

**GeneID:** [174](#)

**OMIM:** [104150](#)

# Datasheet

Version: 2.0.0

Revision date: 13 Jul 2025



**KEGG:** hsa:174

**String:** [9606.ENSP00000379138](#)

**Buffer:** 0.01 M PBS, pH 7.4, 0.03% Proclin-300 and 50% Glycerol.

**Note:** THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.

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