

AFP polyclonal antibody

Catalog # PAB2166 Size 1 mg

Specification

Product Description	Rabbit polyclonal antibody raised against native AFP.
Immunogen	Native purified human AFP.
Host	Rabbit
Reactivity	Human
Specificity	This antibody is specific to AFP. No cross-reactivity with human Albumin, CEA, Ferritin, hCG, PAP, and PSA.
Form	Liquid
Quality Control Testing	Antibody Reactive Against Native Purified Protein.
Recommend Usage	The optimal working dilution should be determined by the end user.
Storage Buffer	In 15 mM KPO ₄ buffer, 0.85% NaCl, pH 7.4 (0.09% sodium azide)
Storage Instruction	Store at 4°C.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Sandwich ELISA

Gene Info — AFP

Entrez GeneID	174
Gene Name	AFP

Gene Alias	FETA, HPAFP
Gene Description	alpha-fetoprotein
Omim ID	104150
Gene Ontology	Hyperlink
Gene Summary	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]
Other Designations	OTTHUMP00000160480 alpha-1-fetoprotein alpha-fetoglobulin

Publication Reference

- [An Oxygen-Concentration-Controllable Multiorgan Microfluidic Platform for Studying Hypoxia-Induced Lung Cancer-Liver Metastasis and Screening Drugs.](#)

Lulu Zheng, Bo Wang, Yunfan Sun, Bo Dai, Yongfeng Fu, Yule Zhang, Yuwen Wang, Zhijin Yang, Zhen Sun, Songlin Zhuang, Dawei Zhang.

ACS Sensors 2021 Mar; 6(3):823.

Application: IF, Human, A-549 cells

- [A universal and enzyme-free immunoassay platform for biomarker detection based on gold nanoparticle enumeration with a dark-field microscope.](#)

Wu X, Li T, Tao G, Lin R, Pei X, Liu F, Li N.

The Analyst 2017 Nov; 142(22):4201.

Application: Quant, Alphafeto protein

Disease

- [Carcinoma](#)
- [Liver Cirrhosis](#)
- [Liver Neoplasms](#)