

Anti-AFP Picoband Antibody

Catalog # ABO11799

Product Information

Application	WB, IHC-P
Primary Accession	P02771
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Format	Lyophilized
Description	Rabbit IgG polyclonal antibody for Alpha-fetoprotein(AFP) detection. Tested with WB, IHC-P in Human;Mouse;Rat.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Additional Information

Gene ID	174
Other Names	Alpha-fetoprotein, Alpha-1-fetoprotein, Alpha-fetoglobulin, AFP, HPAFP
Calculated MW	68678
Application Details	Immunohistochemistry(Paraffin-embedded Section), 0.5-1 µg/ml, Human, By Heat Western blot, 0.1-0.5 µg/ml, Human, Mouse, Rat
Subcellular Localization	Secreted.
Tissue Specificity	Plasma. Synthesized by the fetal liver and yolk sac.
Source	Eukaryota
Protein Name	Alpha-fetoprotein
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
Immunogen	E.coli-derived human AFP recombinant protein (Position: Q378-V609). Human AFP shares 71% and 73% amino acid (aa) sequences identity with mouse and rat AFP, respectively.
Purification	Immunogen affinity purified.
Cross Reactivity	No cross reactivity with other proteins
Storage	At -20 °C for one year. After reconstitution, at 4 °C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time.Avoid repeated

Sequence Similarities

freezing and thawing.
Belongs to the ALB/AFP/VDB family.

Protein Information

Name	AFP
Synonyms	HPAFP
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.
Cellular Location	Secreted.
Tissue Location	Plasma. Synthesized by the fetal liver and yolk sac

Background

AFP, also called Alpha-fetoprotein; alpha-fetoprotein, is a protein that in humans is encoded by the AFP gene. It is mapped to 4q13.3. The level of AFP in amniotic fluid is used to measure renal loss of protein to screen for spina bifida and anencephaly. In rodents AFP binds estradiol to prevent the transport of this hormone across the placenta to the fetus. The main function of this is to prevent the virilization of female fetuses. Moreover, it has an important role as a diagnostic marker, especially in certain tumors and liver diseases of childhood. AFP is also used to test the potential usefulness of plasma alpha fetoprotein determination as a diagnostic marker in biliary atresia, hepatitis, and yolk sac derived tumours.

Images



Anti-AFP Picoband antibody, ABO11799-1.jpgAll lanes:
Anti AFP (ABO11799) at 0.5ug/mlWB: Human
Recombinant AFP Protein 0.5ngPredicted bind size:
36KDObserved bind size: 36KD



Anti-AFP Picoband antibody, ABO11799-2.jpgAll lanes:
Anti AFP (ABO11799) at 0.5ug/mlWB: HEPG2 Whole Cell
Lysate at 40ugPredicted bind size: 69KDObserved bind
size: 69KD

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.