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Anti-AFP Picoband Antibody

Catalog # ABO11799

Specification

Anti-AFP Picoband Antibody - Product Information

Application	**WB**
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.

Anti-AFP Picoband Antibody - Additional Information

Gene ID 174

Other Names
Alpha-fetoprotein, Alpha-1-fetoprotein, Alpha-fetoglobulin, AFP, HPAFP

Calculated MW
68678 MW KDa

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.

Protein Name
Alpha-fetoprotein

Contents
Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.

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 r˚Constitution, at 4˚C for one month. It˚Can also be aliquotted and stored frozen at -20˚C for a longer time.Avoid repeated freezing and thawing.

Sequence Similarities
Belongs to the ALB/AFP/VDB family.

Anti-AFP Picoband Antibody - 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

Anti-AFP Picoband Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-AFP Picoband Antibody - Images

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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

Anti-AFP Picoband Antibody - 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.