A Reliable Research Partner in Life Science and Medicine

Recombinant AFP/alpha-fetoprotein Monoclonal Antibody

catalog number: AN300030P

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

Reactivity Human

Immunogen Recombinant Human AFP / alpha-fetoprotein protein

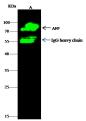
Host Rabbit
Isotype IgG
Clone A1140
Purification Protein A

Buffer 0.2 µm filtered solution in PBS

Applications Recommended Dilution

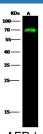
WB 1:500-1:2000

Data



Immunoprecipitation analysis using 2 μL anti-AFP Monoclonal Antibody and 60 μg of Immunomagnetic beads Protein G. Western blot was performed from the immunoprecipitate using AFP Monoclonal Antibody at a dilution of 1:100. Lane A:0.5 mg HepG2 Whole Cell Lysate

Observed-MW:68 kDa Calculated-MW:68 kDa



Western Blot with AFP / alpha-fetoprotein Monoclonal Antibody at dilution of 1:500. Lane A: HepG2 Whole Cell Lysate, Lysates/proteins at 30 µg per lane.

Observed-MW:68 kDa Calculated-MW:68 kDa

Preparation & Storage

Storage This antibody can be stored at 2°C-8°C for one month without detectable loss of

activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Avoid repeated freeze-thaw cycles.

Shipping Ice bag

Background

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 persistance 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.

For Research Use Only

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