

Product Name: AFP Mouse Monoclonal Antibody
Catalog #: AMM80782



Summary

Production Name	AFP Mouse Monoclonal Antibody
Description	Mouse Monoclonal Antibody
Host	Mouse
Application	WB,ELISA
Reactivity	Human

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG2b
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Purified antibody in PBS with 0.05% sodium azide.
Purification	Affinity Purification

Immunogen

Gene Name	AFP
Alternative Names	alpha-fetoprotein; FETA; HPAFP
Gene ID	174.0
SwissProt ID	P02771. Purified recombinant fragment of human AFP expressed in E. Coli.

Application

Dilution Ratio	WB:1:500-1:2000,ELISA:1:10000
Molecular Weight	69kDa

Background

AFP (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

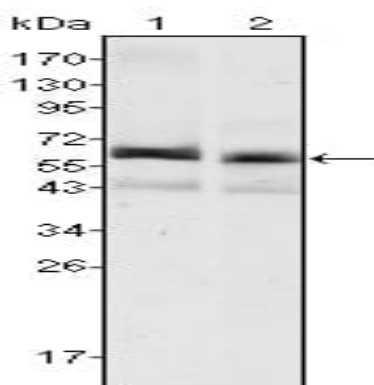
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may also be found in individuals with no obvious pathology. The protein is thought to be the fetal counterpart of serum albumin, and the alpha-fetoprotein and albumin genes are present in tandem in the same transcriptional orientation on chromosome 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.

Research Area

Image Data



Western blot analysis using AFP mouse mAb against HepG2 (1) and SMMC-7721 (2) cell lysate.

Note

For research use only.