

AFP Monoclonal Antibody

Catalog Number:E-AB-22033

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

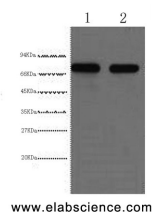
Description

Reactivity	Human
Immunogen	Synthetic Peptide
Host	Mouse
Isotype	IgG
Clone	Clone:2L6
Purification	Protein A purification
Conjugation	Unconjugated
Formulation	PBS with 0.02% sodium azide and 50% glycerol pH 7.4.

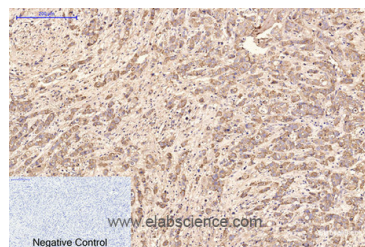
Applications Recommended Dilution

WB	1:500-1:3000
IHC	1:50-1:300
IF	1:100-1:300

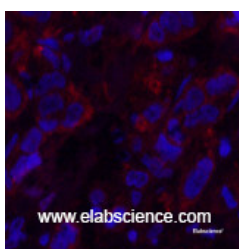
Data



Western Blot analysis of HepG2 cells using AFP Monoclonal Antibody at dilution of 1:2000.
Observed Mw:70kDa



Immunohistochemistry of paraffin-embedded Human breast cancer tissue using AFP Monoclonal Antibody at dilution of 1:200.



Immunofluorescence analysis of Human breast cancer tissue using AFP Monoclonal Antibody at dilution of 1:200.

Preparation & Storage

Storage Store at -20°C. Avoid freeze / thaw cycles.

Background

This gene encodes alpha-fetoprotein, a major plasma protein produced by the yolk sac and the liver during fetal life.

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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.

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