

AFP Monoclonal Antibody

catalog number: E-AB-22033

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

Description

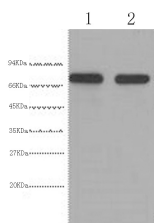
Reactivity	Human
Immunogen	Synthetic Peptide
Host	Mouse
Isotype	IgG
Clone	2L6
Purification	Protein A purification
Conjugation	Unconjugated
Buffer	Phosphate buffered solution, pH 7.4, containing 0.05% stabilizer, 0.5% protein protectant and 50% glycerol.

Applications

Recommended Dilution

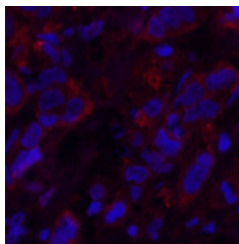
WB	1:500-1:3000
IHC	1:50-1:300
IF	1:100-1:300

Data

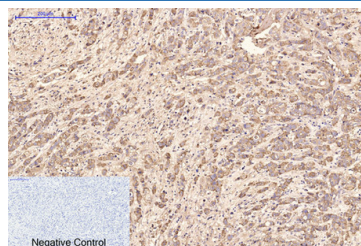


Western Blot analysis of HepG2 cells using AFP Monoclonal Antibody at dilution of 1:2000.

Observed-MW:70 kDa



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



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

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	The product is shipped with ice pack, upon receipt, store it immediately at the temperature recommended.

Background

For Research Use Only

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 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.