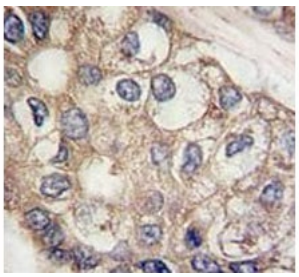
AFP Antibody / Alpha-fetoprotein (F43722)

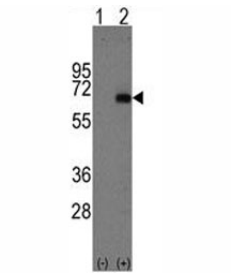
Catalog No.	Formulation	Size
F43722-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F43722-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

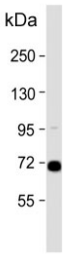
Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity
UniProt	P02771
Applications	Western blot: 1:1000 IHC (Paraffin): 1:10-1:50
Limitations	This AFP antibody is available for research use only.



AFP Antibody Hepatocarcinoma IHC. Immunohistochemistry analysis of FFPE human hepatocarcinoma tissue stained with AFP antibody.



Western blot analysis of AFP antibody and 293 cell lysate either nontransfected (Lane 1) or transiently transfected with the AFP gene (2). Predicted molecular weight: ~70kDa.



Western blot testing of human HepG2 cell lysate with AFP antibody. Predicted molecular weight ~69 kDa.

Description

Alpha-fetoprotein (AFP) is 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.

This antibody can be compared with our AFP Antibody cocktail (clones C2 + C3 + MBS-12) for robust detection of alpha fetoprotein across multiple assay formats in tumor marker studies.

Application Notes

Titration of the AFP antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 300-329 from the human protein was used as the immunogen for this AFP antibody.

Storage

Aliquot the AFP antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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