AFP monoclonal antibody, clone C3

Catalog # MAB1508 Size 100 ug

Specification

Product Description	Mouse monoclonal antibody raised against native AFP.
Immunogen	Native purified human AFP.
Host	Mouse
Theoretical MW (kDa)	70
Reactivity	Human
Form	Lyophilized
Purification	Affinity purification
Isotype	IgG2a
Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (2-4 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	Lyophilized from 1.2% sodium acetate (2 mg BSA, 0.01 mg sodium azide)
Storage Instruction	Store at -20°C on dry atmosphere. After reconstitution with 1 mL of 1.2% sodium acetate or neutral PBS and concentration will be 100 u g/mL, store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

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Gene Info — AFP

Entrez GeneID	174
Gene Name	AFP
Gene Alias	FETA, HPAFP
Gene Description	alpha-fetoprotein
Omim ID	104150
Gene Ontology	Hyperlink
Gene Summary	This gene encodes alpha-fetoprotein, a major plasma protein produced by the yolk sac and the liv er during fetal life. Alpha-fetoprotein expression in adults is often associated with hepatoma or ter atoma. 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. [provided by Re fSeq
Other Designations	OTTHUMP00000160480|alpha-1-fetoprotein|alpha-fetoglobulin

Publication Reference

- Alpha-fetoprotein, the major fetal serum protein, is not essential for embryonic development but is required for female fertility.

  Gabant P, Forrester L, Nichols J, Van Reeth T, De Mees C, Pajack B, Watt A, Smitz J, Alexandre H, Szpirer C, Szpirer J.

  PNAS 2002 Oct; 99(20):12865.

  Application: WB-Ti, Mouse, Liver, Amniotic fluid, Yolk sac

- Structure and evolution of human alpha-fetoprotein deduced from partial sequence of cloned cDNA.

  Beattie WG, Dugaiczyk A.

  Gene 1982 Dec; 20(3):415.

Disease

- Carcinoma

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- Liver Cirrhosis
- Liver Neoplasms

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