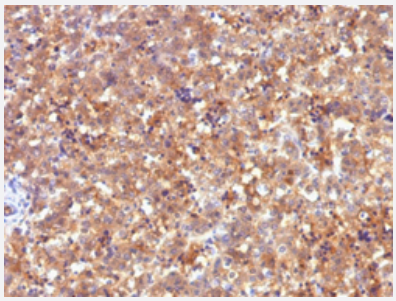
AFP monoclonal antibody, clone C2

Catalog # MAB13263 Size 100 ug

Applications



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

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human fetal liver with AFP monoclonal antibody, clone C2 (Cat # MAB13263).

Specification

Product Description	Mouse monoclonal antibody raised against native human AFP.
Immunogen	Native purified AFP from serum of a hepatoma patient.
Host	Mouse
Theoretical MW (kDa)	70
Reactivity	Human
Specificity	This monoclonal antibody is highly specific to AFP and shows no cross-reaction with other oncofetal antigens or serum albumin.
Form	Liquid
Purification	Protein A/G purification
Isotype	IgG1, kappa
Recommend Usage	Flow Cytometry (0.5-1 ug/10^6 cells in 0.1 mL) Immunofluorescence (0.5-1 ug/mL) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1-2 ug/mL) The optimal working dilution should be determined by the end user.

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Storage Buffer	In 10 mM PBS (0.05% BSA, 0.05% sodium azide).
Storage Instruction	Store at 4°C.
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)

  Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human fetal liver with AFP monoclonal antibody, clone C2 (Cat # MAB13263).

- Immunofluorescence

- Flow Cytometry

Gene Info — AFP

Entrez GeneID	174
Protein Accession#	P02771
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

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Disease

- Carcinoma
- Liver Cirrhosis
- Liver Neoplasms

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