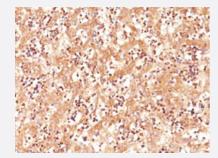


AFP monoclonal antibody, clone C3

Catalog # MAB20910 Size 100 ug

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffinembedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human fetal liver with AFP monoclonal antibody, clone C3 (Cat # MAB20910).

Specification	
Product Description	Mouse monoclonal antibody raised against human AFP.
Immunogen	Alpha fetoprotein (AFP) purified from serum of a hepatoma patient.
Host	Mouse
Theoretical MW (kDa)	70
Reactivity	Human
Form	Liquid
Purification	Protein A/G purification
Isotype	lgG2a, 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.
Storage Buffer	In 10 mM PBS.



Storage Instruction

Store at -20 to -80°C.

Aliquot to avoid repeated freezing and thawing.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)
 Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human fetal liver with AFP monoclonal antibody, clone C3 (Cat # MAB20910).
- Immunofluorescence
- Flow Cytometry

Gene Info — AFP	
Entrez GenelD	<u>174</u>
Protein Accession#	<u>P02771</u>
Gene Name	AFP
Gene Alias	FETA, HPAFP
Gene Description	alpha-fetoprotein
Omim ID	104150
Gene Ontology	<u>Hyperlink</u>
Gene Summary	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 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 RefSeq
Other Designations	OTTHUMP00000160480 alpha-1-fetoprotein alpha-fetoglobulin

Disease



- Carcinoma
- Liver Cirrhosis
- Liver Neoplasms