

Anti-AFP Antibody

Catalog # ABO10398

Product Information

Application	IHC-P
Primary Accession	P02773
Host	Mouse
Isotype	Mouse IgG2a
Reactivity	Human
Clonality	Monoclonal
Format	Lyophilized
Description	Mouse IgG monoclonal antibody for AFP, alpha-fetoprotein (AFP) detection. Tested with IHC-P in Human. No cross reactivity with other proteins.
Reconstitution	Add 1ml of PBS buffer will yield a concentration of 100ug/ml.

Additional Information

Other Names	Alpha-fetoprotein, Alpha-1-fetoprotein, Alpha-fetoglobulin, Afp
Calculated MW	68386
Application Details	Immunohistochemistry(Paraffin-embedded Section), 2-4 µg/ml, Human, By Heat
Subcellular Localization	Isoform 1: Secreted.
Tissue Specificity	Plasma. .
Source	Eukaryota
Protein Name	Alpha-fetoprotein
Contents	Mouse ascites fluid, 1.2% sodium acetate, 2mg BSA, with 0.01mg NaN ₃ as preservative.
Clone Names	C3
Immunogen	Human alpha-fetoprotein.
Purification	Ascites
Cross Reactivity	No cross reactivity with other proteins
Storage	At -20 °C for one year. After reconstitution, at 4 °C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.

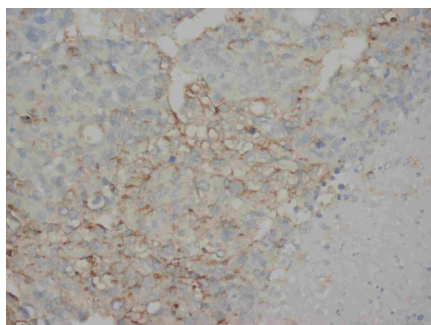
Protein Information

Name	Afp
Function	Binds estrogens, fatty acids and metals.
Cellular Location	[Isoform 1]: Secreted.
Tissue Location	Plasma..

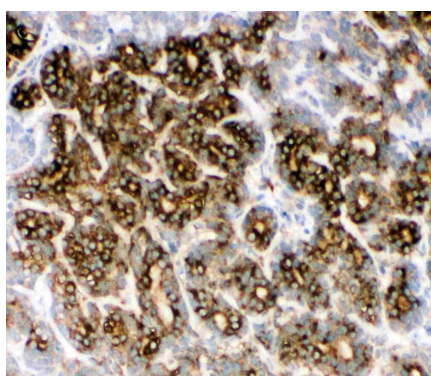
Background

Alpha-fetoprotein(AFP) is a major plasma protein in the fetus, where it is produced by the yolk sac and liver. Direct confirmation of the assignment of the AFP gene to chromosome 4 by in situ hybridization was provided by Harper and Dugaiczky(1983), who placed the gene in the q11-q22 region, the same region as the albumin gene. Structure and evolution of human alpha-fetoprotein deduced from partial sequence of cloned cDNA.As the major fetal serum protein, Alpha-fetoprotein is not essential for embryonic development but is required for female fertility.

Images



Anti-AFP antibody (monoclonal), ABO10398, IHC(P)IHC(P):
Human Liver Cancer Tissue



Anti-AFP antibody (monoclonal), ABO10398, IHC(P)IHC(P):
Human Hepatitis Tissue

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.