10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Anti-AFP Antibody
Catalog # ABO10398

Specification

Anti-AFP Antibody - Product Information

Application	**IHC**
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.

Anti-AFP Antibody - Additional Information

Other Names
Alpha-fetoprotein, Alpha-1-fetoprotein, Alpha-fetoglobulin, Afp

Calculated MW
68386 MW KDa

Application Details
Immunohistochemistry(Paraffin-embedded Section), 2-4 µg/ml, Human, By Heat

Subcellular Localization
Isoform 1: Secreted.

Tissue Specificity
Plasma. .

Protein Name
Alpha-fetoprotein

Contents
Mouse ascites fluid, 1.2% sodium acetate, 2mg BSA, with 0.01mg NaN3 as preservative.

Immunogen
Human alpha-fetoprotein.

Purification
Ascites

Cross Reactivity

No cross reactivity with other proteins

Storage

At -20˚C for one year. After r˚Constitution, 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.

Sequence Similarities
Belongs to the ALB/AFP/VDB family.

Anti-AFP Antibody - Protein Information

Name Afp

Function
Binds estrogens, fatty acids and metals.

Cellular Location
[Isoform 1]: Secreted.

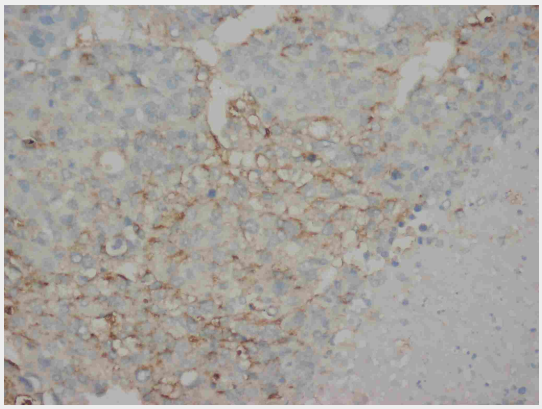
Tissue Location
Plasma..

Anti-AFP Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

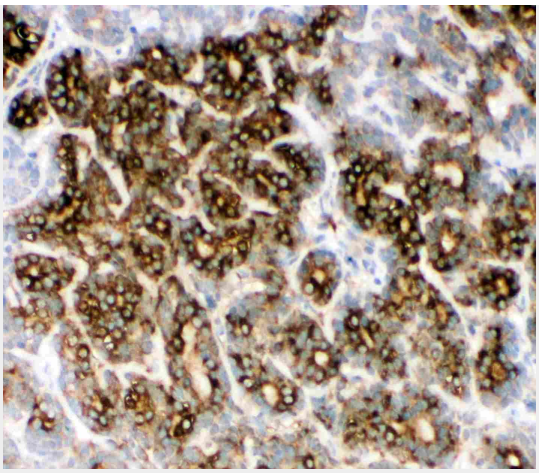
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-AFP Antibody - Images



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

10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999



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

Anti-AFP Antibody - 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 Dugaiczyk(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.