Datasheet for ABIN6136616

anti-alpha Fetoprotein antibody (AA 360-609)

3 Images

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Overview

Quantity:	100 µL
Target:	alpha Fetoprotein (AFP)
Binding Specificity:	AA 360-609
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This alpha Fetoprotein antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 360-609 of human Alpha-Fetoprotein (Alpha-Fetoprotein (AFP)) (NP_001125.1).
Sequence:	RRHPQLAVSV ILRVAKGYQE LLEKCFQTEN PLECQDKGEE ELQKYIQESQ ALAKRSCGLF QKLGEYYLQN AFLVAYTKKA PQLTSSELMA ITRKMAATAA TCCQLSEDKL LACGEGAADI IIGHLCIRHE MTPVNPGVGQ CCTSSYANRR PCFSSLVVDE TYVPPAFSDD KFIFHKDLCQ AQGVALQTMK QEFLINLVKQ KPQITEEQLE AVIADFSGLL EKCCQGQEQE VCFAEEGQKL ISKTRAALGV
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

Target Details

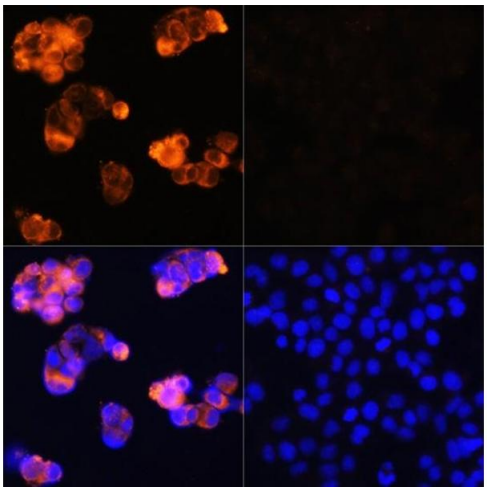
Target:	alpha Fetoprotein (AFP)
Alternative Name:	AFP (AFP Products)
Background:	This gene encodes alpha-fetoprotein, a major plasma protein produced by the yolk sac and the liver during fetal life. Alpha-fetoprotein expression in adults is often associated with hepatoma or teratoma. However, hereditary 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.,AFPD,FETA,HPAFP,AFP,Cancer,Tumor biomarkers,Cell Biology & Developmental Biology,Stem Cells,Cardiovascular,Blood,Serum Proteins,AFP
Molecular Weight:	68 kDa
Gene ID:	174
UniProt:	P02771
Pathways:	C21-Steroid Hormone Metabolic Process

Application Details

Application Notes:	WB,1:500 - 1:2000,IF,1:50 - 1:200
Comment:	HIGH QUALITY
Restrictions:	For Research Use only

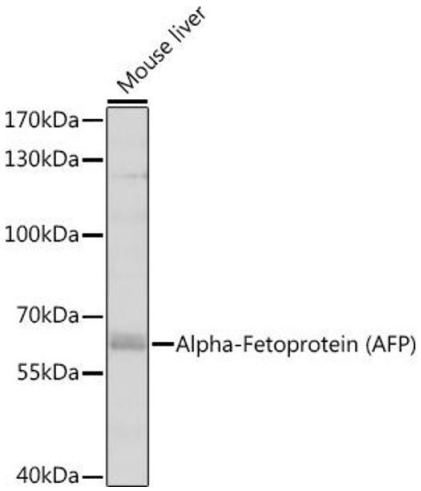
Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



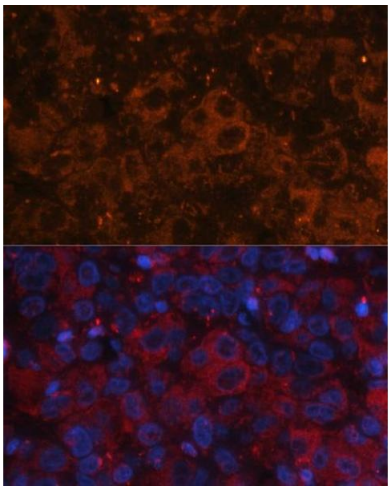
Immunofluorescence

Image 1. Immunofluorescence analysis of HepG2 cells (upper left) and LO2 cells (negative sample control) (upper right) using Alpha-Fetoprotein (Alpha-Fetoprotein (AFP)) Rabbit pAb (red, ABIN6129175, ABIN6136616, ABIN6136618 and ABIN6215038) at dilution of 1:100. Blue: DAPI for nuclear staining.



Western Blotting

Image 2. Western blot analysis of extracts of mouse liver, using Alpha-Fetoprotein (Alpha-Fetoprotein (AFP)) antibody (ABIN6129175, ABIN6136616, ABIN6136618 and ABIN6215038) at 1:1000 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution.Lysates/proteins: 25 µg per lane.Blocking buffer: 3 % nonfat dry milk in TBST.Detection: ECL Enhanced Kit (RM00021).Exposure time: 60s.



Immunofluorescence

Image 3. Immunofluorescence analysis of human liver cancer using Alpha-Fetoprotein (Alpha-Fetoprotein (AFP)) antibody (ABIN6129175, ABIN6136616, ABIN6136618 and ABIN6215038) at dilution of 1:100. Blue: DAPI for nuclear staining.