



Rabbit Anti-Human aFP Polyclonal Antibody (CABT-L2046)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Polyclonal Antibody to Alpha-Fetoprotein (Knockout Validated)
Specificity	The antibody is a rabbit polyclonal antibody raised against aFP. It has been selected for its ability to recognize aFP in immunohistochemical staining and western blotting.
Target	aFP
Immunogen	Recombinant fragment corresponding to human AFP (Ile31~Ser576)
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Purification	Antigen-specific affinity chromatography followed by Protein A affinity chromatography
Conjugate	Unconjugated
Applications	WB
Format	Liquid
Concentration	Lot specific
Size	200 µg
Buffer	Supplied as solution form in 0.01M PBS with 50% glycerol, pH7.4.
Preservative	0.05% Proclin-300

Storage	Avoid repeated freeze/thaw cycles. Store at 4°C for frequent use. Aliquot and store at -20°C for 12 months.
Ship	4°C with ice bags

BACKGROUND

Introduction	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 persistence 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, Jul 2008]
Keywords	A-FP;FETA;HPAFP;Alpha-Fetoglobulin;Alpha-1-fetoprotein

GENE INFORMATION

Gene Name	AFP alpha-fetoprotein [Homo sapiens (human)]
Official Symbol	AFP
Synonyms	AFP; alpha-fetoprotein; AFPD; FETA; HPAFP; alpha-fetoglobulin; alpha-1-fetoprotein;
Entrez Gene ID	174
Protein Refseq	NP_001125
UniProt ID	P02771
Chromosome Location	4q13.3
Pathway	Direct p53 effectors; FOXA2 and FOXA3 transcription factor networks; Glucocorticoid receptor regulatory network; Hippo signaling pathway;
Function	metal ion binding;