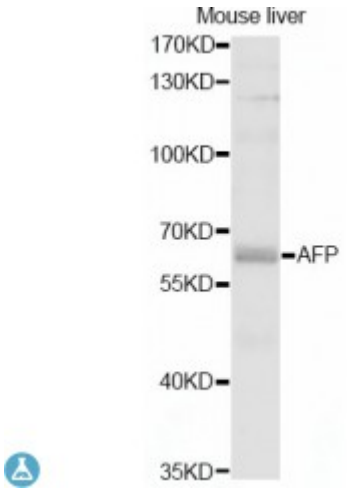
Anti-AFP Antibody



Description	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.

Model	STJ113691
Host	Rabbit
Reactivity	Human, Mouse, Rat
Applications	WB
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 360-609 of human AFP (NP_001125.1).
Gene ID	174
Gene Symbol	AFP
Dilution range	WB 1:500 - 1:2000
Tissue Specificity	Plasma, Synthesized by the fetal liver and yolk sac
Purification	Affinity purification
Note	For Research Use Only (RUO).

Protein Name	Alpha-fetoprotein Alpha-1-fetoprotein Alpha-fetoglobulin
Molecular Weight	68.678 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Storage Instruction	Store at -20C. Avoid freeze / thaw cycles.
Database Links	HGNC:317OMIM:104150Reactome:R-HSA-381426
Alternative Names	Alpha-fetoprotein Alpha-1-fetoprotein Alpha-fetoglobulin
Function	Binds copper, nickel, and fatty acids as well as, and bilirubin less well than, serum albumin, Only a small percentage (less than 2%) of the human AFP shows estrogen-binding properties
Cellular Localization	Secreted
Post-translational Modifications	Independent studies suggest heterogeneity of the N-terminal sequence of the mature protein and of the cleavage site of the signal sequence