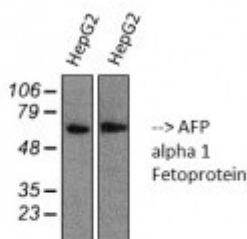


Anti-AFP alpha 1 Fetoprotein antibody



Western Blot (WB) analysis of HepG2 cells using AFP alpha 1 Fetoprotein Monoclonal Antibody from two batches. (STJ96977)



Description

AFP alpha 1 Fetoprotein is a protein encoded by the AFP gene which is approximately 68,6 kDa. AFP alpha 1 Fetoprotein is secreted into the extra cellular space. It is involved in hippo signalling pathway, embryonic stem cell differentiation pathways and FOXA2 and FOXA3 transcription factor networks. It is a major plasma protein produced by the yolk sac and the liver during fetal life. In adults, alpha-fetoprotein expression is often associated with hepatoma or teratoma and is thought to be the fetal counterpart of serum albumin. AFP alpha 1 Fetoprotein is expressed in the heart, liver, cells of the nervous system, lung and blood. Mutations in the AFP gene may result in an alpha-fetoprotein deficiency. STJ96977 was developed from clone 17C5 and was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen. This antibody detects endogenous AFP proteins.

Model	STJ96977
Host	Mouse
Reactivity	Human
Applications	WB
Immunogen	Synthetic Peptide
Gene ID	174
Gene Symbol	AFP
Dilution range	WB 1:2000
Specificity	The antibody detects endogenous AFP proteins.
Tissue Specificity	Plasma. Synthesized by the fetal liver and yolk sac.

Purification	The antibody was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen.
Clone ID	17C5
Note	For Research Use Only (RUO).
Protein Name	Alpha-fetoprotein Alpha-1-fetoprotein Alpha-fetoglobulin
Clonality	Monoclonal
Conjugation	Unconjugated
Isotype	IgG1
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:3170MIM:104150
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.; Sulfated.