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**Product Name: alpha 1 Fetoprotein Rabbit Polyclonal Antibody****Catalog #: APRab00486**

For research use only.

**Summary**

<b>Description</b>	Rabbit polyclonal Antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB,IHC,ELISA
<b>Reactivity</b>	Human
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Polyclonal
<b>Form</b>	Liquid
<b>Concentration</b>	1mg/ml
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% sodium azide, pH 7.3.
<b>Purification</b>	Affinity Purification

**Application**

<b>Dilution Ratio</b>	WB 1:500-1:1000,IHC 1:50-1:100,ELISA 1:5000-1:20000
<b>Molecular Weight</b>	Calculated MW: 69 kDa; Observed MW: 69 kDa

**Antigen Information**

<b>Gene Name</b>	AFP
<b>Alternative Names</b>	Alpha-fetoprotein; Alpha-1-fetoprotein; Alpha-fetoglobulin
<b>Gene ID</b>	174
<b>SwissProt ID</b>	P02771
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from the Internal region of human AFP. AA range:371-420

**Background**

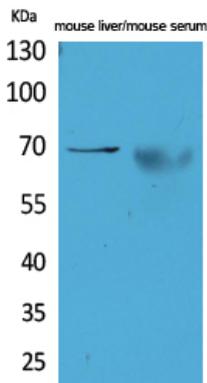
Alpha-fetoprotein (AFP) is a 65 kDa glycoprotein found in the mammalian fetal liver, yolk sac, and GI tract. In normal adult cells,

p53 binds to the repressor region of the AFP gene, thereby blocking transcription. Mutations in both p53 and  $\beta$ -catenin are associated with aberrant expression of AFP. Research studies have shown that elevated serum AFP levels are predictive of hepatocellular carcinoma .

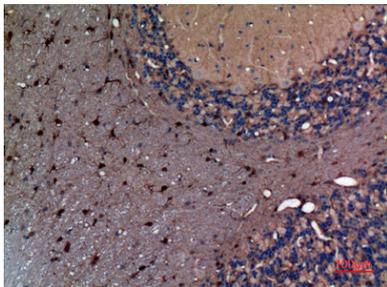
## Research Area

Cancer

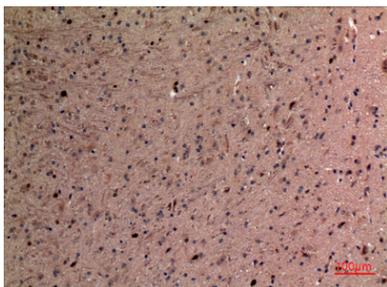
## Image Data



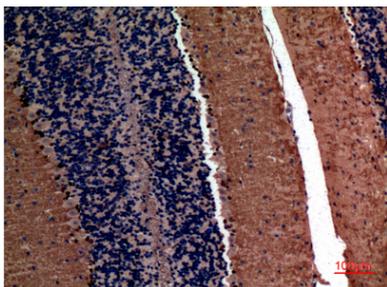
Western blot analysis of alpha 1 Fetoprotein in mouse liver, mouse serum lysates using alpha 1 Fetoprotein antibody.



Immunohistochemistry analysis of paraffin-embedded rat brain using alpha 1 Fetoprotein antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.



Immunohistochemistry analysis of paraffin-embedded mouse brain using alpha 1 Fetoprotein antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.



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