For Research Use Only

AFP Recombinant antibody

Catalog Number:82982-6-RR

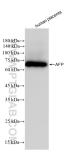


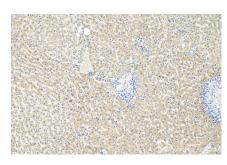
Basic Information	Catalog Number: 82982-6-RR	GenBank Accession Number: BC027881	Purification Method: Protein A purfication	
	Size: 100ul , Concentration: 1000 ug/ml by Nanodrop; Source: Rabbit Isotype: IgG	GeneID (NCBI): 174 UNIPROT ID: P02771 Full Name: alpha-fetoprotein	CloneNo.: 230435E3 Recommended Dilutions: WB 1:5000-1:50000	
				IHC 1:300-1:1200
			Calculated MW: 69 kDa	
		Observed MW: 68 kDa		
		Applications	Tested Applications: WB, IHC, ELISA	
Species Specificity: human	WB : human placenta tissue, IHC : human liver tissue,			
Note-IHC: suggested antigen r TE buffer pH 9.0; (*) Alternativ retrieval may be performed w buffer pH 6.0	vely, antigen			
Background Information	AFP (Alpha-fetoprotein) is a major plasma protein in the fetus and its concentration is very low in the adult (PMID:24120489). AFP can be detected at abnormally high concentrations in hepatocellular carcinomas as well as in the plasma and ascitic fluid of adults with hepatoma, indicating that AFP can serve as a tumor marker (PMID: 18669658). AFP is also a glycosylated protein and based on its binding capability to lectin Lens Culinaris Agglutinin (LCA), and total AFP can be separated into three different glycoforms, AFP-L1, AFP-L2, and AFP-L3. Core-fucosylated form of AFP (AFP-L3) is a more specific indicator than total AFP for HCC (PMID: 33128033, 35458505)			
Storage	Storage: Store at -20°C. Stable for one year aft Storage Buffer: PBS with 0.02% sodium azide and 50	% glycerol pH 7.3.		
*** 20ul sizes contain 0.1% BSA	Aliquoting is unnecessary for -20 $^{\circ}$ C s	torage		

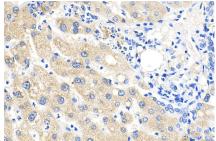
For technical support and original validation data for this product please contact:T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free
in USA), or 1(312) 455-8498 (outside USA)E: proteintech@ptglab.comW: ptglab.comW: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

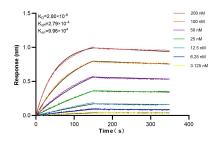
Selected Validation Data







human placenta tissue were subjected to SDS PAGE followed by western blot with 82982-6-RR (AFP antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. Immunohistochemical analysis of paraffinembedded human liver tissue slide using 82982-6-RR (AFP antibody) at dilution of 1:600 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). Immunohistochemical analysis of paraffinembedded human liver tissue slide using 82982-6-RR (AFP antibody) at dilution of 1:600 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Biolayer interferometry (BLL) kinetic assays of 82982-6-RR against Human AFP were performed. The affinity constant is 2.80 nM.