

For Research Use Only

HRSP12 Polyclonal antibody

Catalog Number: 12930-1-AP

2 Publications



Basic Information

Catalog Number: 12930-1-AP	GenBank Accession Number: BC010280	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 600 ug/ml by Nanodrop and 273 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 10247	Recommended Dilutions: WB 1:500-1:2000 IHC 1:20-1:200
Source: Rabbit	UNIPROT ID: P52758	
Isotype: IgG	Full Name: heat-responsive protein 12	
Immunogen Catalog Number: AG3628	Calculated MW: 14.5 kDa	
	Observed MW: 14.5 kDa	

Applications

Tested Applications: WB, IHC, ELISA	Positive Controls:
Cited Applications: WB, IHC	WB : human liver tissue,
Species Specificity: human, rat	IHC : human liver cancer tissue,
Cited Species: human, rat	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

Background Information

Ribonuclease UK114, also named HRSP12, is found predominantly in human adult kidney and liver and is responsible for inhibiting translation by cleaving mRNA. UK114 is mostly expressed in cytoplasm, but occasionally in nucleus in less differentiated cells. UK114 cleaves phosphodiester bonds only in single-stranded RNA. The levels of both the mRNA and protein are markedly reduced in hepatocellular tumors and in human hepatoma cell lines compared with normal liver tissues, suggesting that ribonuclease UK114 may be an important biomarker for hepatic carcinoma. Current antibody catalog# 12930-1-AP is a rabbit polyclonal antibody raised from human full-length UK114.

Notable Publications

Author	Pubmed ID	Journal	Application
Sa Song	36434386	Genes Genomics	WB,IHC
Dhawan Latika L	22801372	Mol Cell Biol	WB

Storage

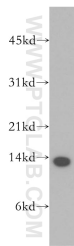
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

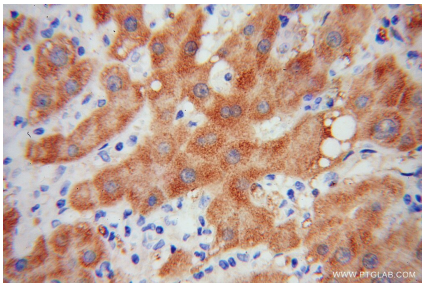
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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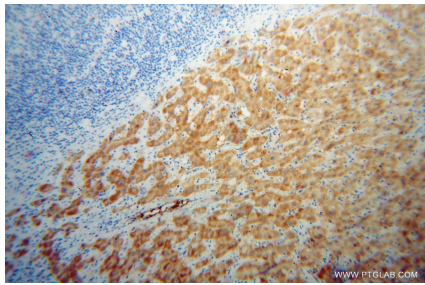
Selected Validation Data



human liver tissue were subjected to SDS PAGE followed by western blot with 12930-1-AP (HRSP12 antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver cancer using 12930-1-AP (HRSP12 antibody) at dilution of 1:100 (under 40x lens).



Immunohistochemical analysis of paraffin-embedded human liver cancer using 12930-1-AP (HRSP12 antibody) at dilution of 1:100 (under 10x lens).