

For Research Use Only

# HRSP12 Polyclonal antibody

Catalog Number: 12930-1-AP

3 Publications



## Basic Information

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

## Applications

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

## 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
Zhenhua Chen	39694037	Cell	RIP
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, pH7.3  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

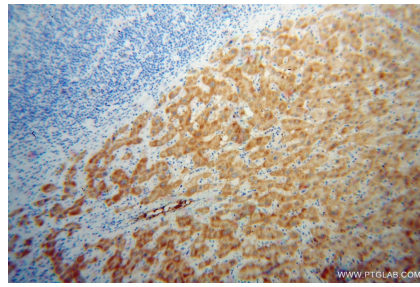
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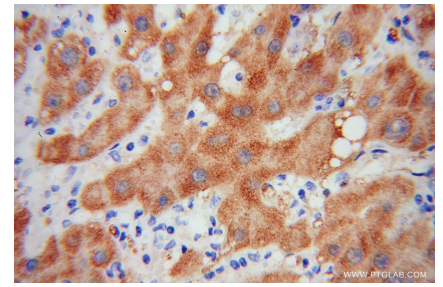
## Selected Validation Data



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 10x lens).



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