

For Research Use Only

# SPR Polyclonal antibody

Catalog Number: 16822-1-AP **3 Publications**



## Basic Information

<b>Catalog Number:</b> 16822-1-AP	<b>GenBank Accession Number:</b> BC017310	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul, Concentration: 600 µg/ml by Nanodrop and 300 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 6697	<b>Recommended Dilutions:</b> WB 1:500-1:2000 IP 0.5-4.0 ug for IP and 1:500-1:1000 for WB
<b>Source:</b> Rabbit	<b>Full Name:</b> sepiapterin reductase (7,8-dihydrobiopterin:NADP+ oxidoreductase)	<b>IHC 1:100-1:400</b> <b>IF 1:10-1:100</b>
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 261 aa, 28 kDa	
<b>Immunogen Catalog Number:</b> AG10395	<b>Observed MW:</b> 28 kDa	

## Applications

<b>Tested Applications:</b> IF, IHC, IP, WB, ELISA	<b>Positive Controls:</b> WB : HepG2 cells, rat heart tissue, rat liver tissue, human liver tissue, K-562 cells
<b>Cited Applications:</b> WB	<b>IP:</b> mouse liver tissue,
<b>Species Specificity:</b> human, mouse, rat	<b>IHC:</b> human liver cancer tissue,
<b>Cited Species:</b> human, mouse	<b>IF:</b> HeLa cells,

**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

### Notable Publications

Author	Pubmed ID	Journal	Application
Angus Lindsay	33580591	Acta Physiol (Oxf)	WB
Mariluz Soula	32778843	Nat Chem Biol	WB
Xiaoqun Gu	36701995	Phytomedicine	WB

## Storage

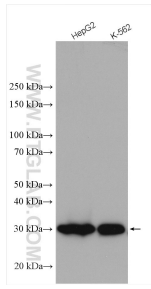
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

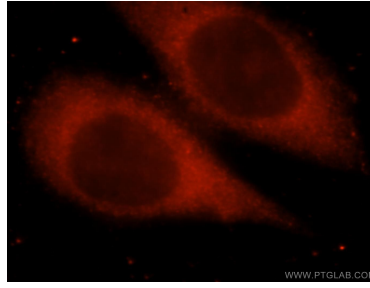
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

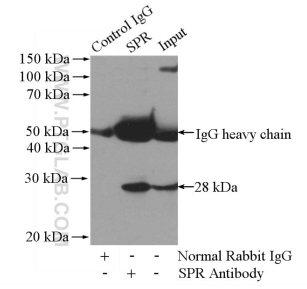
## Selected Validation Data



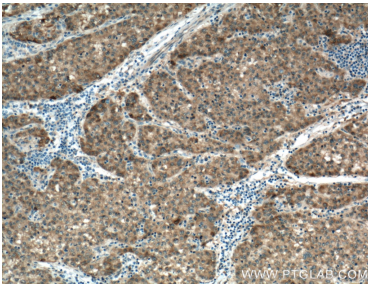
Various lysates were subjected to SDS PAGE followed by western blot with 16822-1-AP (SPR antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



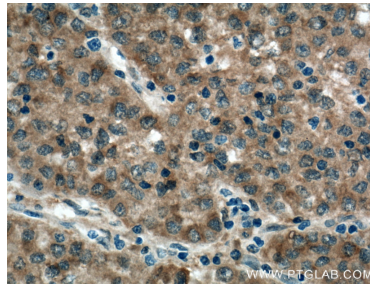
Immunofluorescent analysis of HeLa cells, using SPR antibody 16822-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red).



IP Result of anti-SPR (IP:16822-1-AP, 4ug; Detection:16822-1-AP 1:500) with mouse liver tissue lysate 4000ug.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 16822-1-AP (SPR Antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 16822-1-AP (SPR Antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).