

For Research Use Only

# RBBP9 Polyclonal antibody

Catalog Number: 12230-2-AP

Featured Product

4 Publications



## Basic Information

<b>Catalog Number:</b> 12230-2-AP	<b>GenBank Accession Number:</b> BC015938	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 300 µg/ml by Nanodrop and 200 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 10741	<b>Recommended Dilutions:</b> WB 1:500-1:3000 IP 0.5-4.0 ug for IP and 1:200-1:1000 for WB IHC 1:20-1:200
<b>Source:</b> Rabbit	<b>Full Name:</b> retinoblastoma binding protein 9	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 186 aa, 21 kDa	
<b>Immunogen Catalog Number:</b> AG2868	<b>Observed MW:</b> 22 kDa	

## Applications

### Tested Applications:

FC, IHC, IP, WB, ELISA

### Cited Applications:

IF, IHC, WB

### Species Specificity:

human, mouse, rat

### Cited Species:

human, mouse

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

### Positive Controls:

**WB:** mouse testis tissue, A375 cells, human lung tissue, human spleen tissue, mouse lung tissue

**IP:** mouse lung tissue,

**IHC:** human pancreas cancer tissue,

## Background Information

RBBP9, also named as BOG, RBBP10, RBBP-9, RBBP-10 and Protein BOG, belongs to the RBBP9 family. It may play a role in the transformation process due to its capacity to confer resistance to the growth-inhibitory effects of TGF- $\beta$ 1 through interaction with retinoblastoma and the subsequent displacement of E2F-1. RBBP9 is a tumor-associated serine hydrolase activity required for pancreatic neoplasia. It mediates suppression of TGF- $\beta$  signaling is required for E-cadherin expression as loss of the serine hydrolase activity leads to a reduction in E-cadherin levels and a concomitant decrease in the integrity of tumor cell-cell junctions. RBBP9 protein levels were equivalent in paired primary tumor and nonneoplastic specimens (PMID: 20080647) The genes CyFIP2 and RbBP9, which are also miss-expressed in ALS hMSC, could serve as diagnostic biomarker tools for detection of ALS in blood samples.

## Notable Publications

Author	Pubmed ID	Journal	Application
Nachmany Henny H	22430187	Dis Markers	WB
Maya A Olshina	31903784	Antioxid Redox Signal	WB
Michael D O'Connor	21689726	Exp Hematol	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**

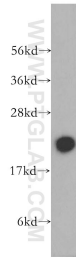
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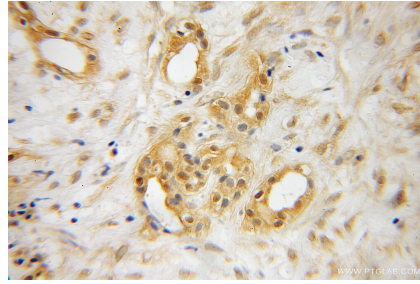
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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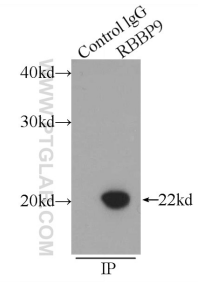
## Selected Validation Data



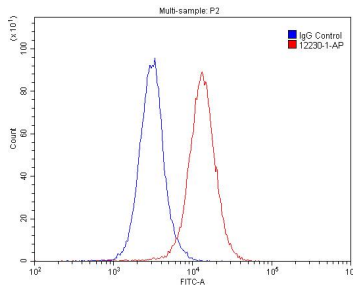
mouse testis tissue were subjected to SDS PAGE followed by western blot with 12230-2-AP (RBBP9 antibody) at dilution of 1:400 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human pancreas cancer using 12230-2-AP (RBBP9 antibody) at dilution of 1:50 (under 10x lens).



IP Result of anti-RBBP9 (IP:12230-2-AP, 3ug; Detection:12230-2-AP 1:300) with mouse lung tissue lysate 5160ug.



1X10<sup>6</sup> BxPC-3 cells were stained with 0.2ug RBBP9 antibody (12230-2-AP, red) and control antibody (blue). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1500. Cells were fixed with 4% PFA and permeabilized with 0.1% Triton X-100.