

For Research Use Only

# RBBP9 Monoclonal antibody

Catalog Number: 66015-2-Ig **Featured Product**



## Basic Information

<b>Catalog Number:</b> 66015-2-Ig	<b>GenBank Accession Number:</b> BC015938	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 1700 µg/ml	<b>GeneID (NCBI):</b> 10741	<b>CloneNo.:</b> 3D5E11
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> O75884	<b>Recommended Dilutions:</b> WB 1:2000-1:10000 IHC 1:50-1:500 IF 1:20-1:200
<b>Isotype:</b> IgG2b	<b>Full Name:</b> retinoblastoma binding protein 9	
<b>Immunogen Catalog Number:</b> AG17864	<b>Calculated MW:</b> 186 aa, 21 kDa	
	<b>Observed MW:</b> 22 kDa	

## Applications

**Tested Applications:**  
FC, IF/ICC, IHC, WB, ELISA

**Species Specificity:**  
human, mouse, rat, pig

**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:** pig brain tissue, HeLa cells, A375 cells, A549 cells, rat brain tissue, mouse brain tissue, MCF-7 cells, HepG2 cells, BxPC-3 cells

**IHC:** human pancreas cancer tissue,

**IF:** A549 cells,

## 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)

## 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

For technical support and original validation data for this product please contact:

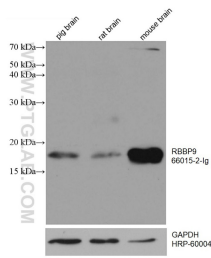
T: 4006900926

E: Proteintech-CN@ptglab.com

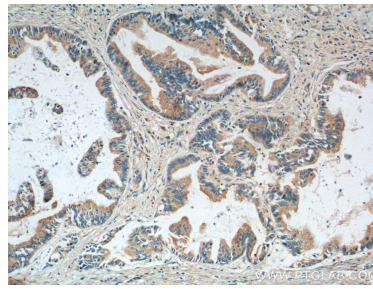
W: ptgcn.com

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

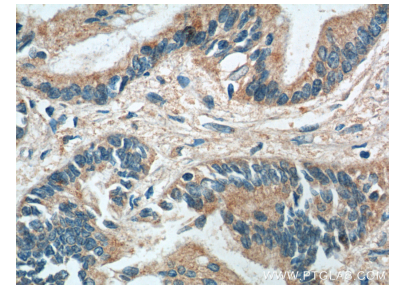
## Selected Validation Data



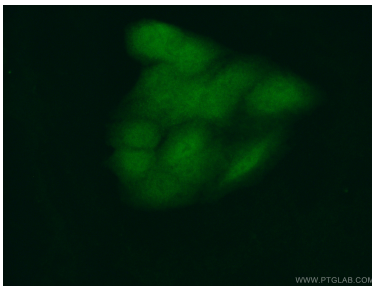
Various lysates were subjected to SDS PAGE followed by western blot with 66015-2-Ig (RBBP9 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control.



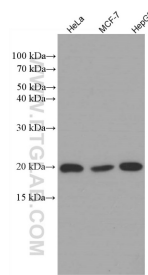
Immunohistochemical analysis of paraffin-embedded human pancreas cancer tissue slide using 66015-2-Ig (RBBP9 Antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



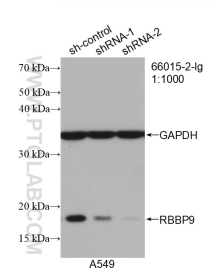
Immunohistochemical analysis of paraffin-embedded human pancreas cancer tissue slide using 66015-2-Ig (RBBP9 Antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



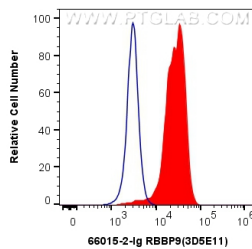
Immunofluorescent analysis of (10% Formaldehyde) fixed A549 cells using 66015-2-Ig (RBBP9 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



Various lysates were subjected to SDS PAGE followed by western blot with 66015-2-Ig (RBBP9 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



WB result of RBBP9 antibody (66015-2-Ig; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-RBBP9 transfected A549 cells.



$1 \times 10^6$  HeLa cells were intracellularly stained with 0.4 ug Anti-Human RBBP9 (66015-2-Ig, Clone:3D5E11) and CoraLite<sup>®</sup>488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Mouse IgG2b Isotype Control (MPC-11) (65128-1-Ig, Clone: MPC-11) (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).