

For Research Use Only

# RBBP9 Monoclonal antibody, PBS Only



Catalog Number: 66015-2-PBS

Featured Product

## Basic Information

Catalog Number:

66015-2-PBS

Size:

1mg/ml

Source:

Mouse

Isotype:

IgG2b

Immunogen Catalog Number:

AG17864

GenBank Accession Number:

BC015938

GeneID (NCBI):

10741

UNIPROT ID:

O75884

Full Name:

retinoblastoma binding protein 9

Calculated MW:

186 aa, 21 kDa

Observed MW:

22 kDa

Purification Method:

Protein A purification

CloneNo.:

3D5E11

## Applications

Tested Applications:

Indirect ELISA, IHC, WB

Species Specificity:

pig, rat, mouse, human

## 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 -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS Only

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

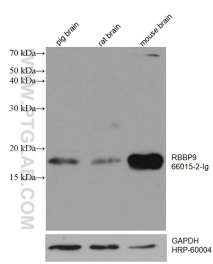
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

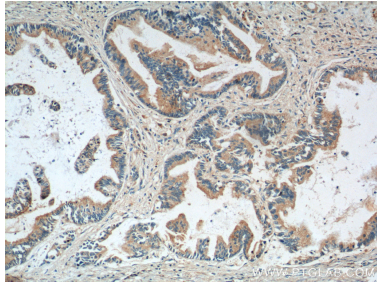
W: [ptgcn.com](http://ptgcn.com)

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

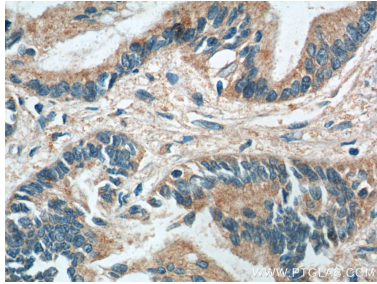
Selected Validation Data



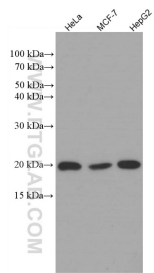
Various lysates were subjected to SDS PAGE followed by western blot with 66015-2-Ig (RBBP9 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control. This data was developed using the same antibody clone with 66015-2-PBS in a different storage buffer formulation.



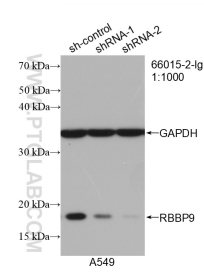
Immunohistochemical analysis of paraffin-embedded human pancreas cancer tissue slide using 66015-2-Ig (RBBP9 Antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66015-2-PBS in a different storage buffer formulation.



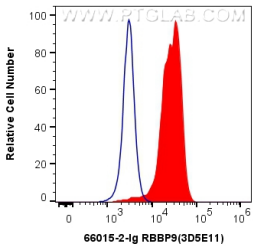
Immunohistochemical analysis of paraffin-embedded human pancreas cancer tissue slide using 66015-2-Ig (RBBP9 Antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66015-2-PBS in a different storage buffer formulation.



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. This data was developed using the same antibody clone with 66015-2-PBS in a different storage buffer formulation.



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. This data was developed using the same antibody clone with 66015-2-PBS in a different storage buffer formulation.



1X10<sup>6</sup> HeLa cells were intracellularly stained with 0.4 ug Anti-Human RBBP9 (66015-2-Ig, Clone:3D5E11) and CoraLite®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). This data was developed using the same antibody clone with 66015-2-PBS in a