

For Research Use Only

# RBBP9 Monoclonal antibody

Catalog Number: 66015-2-Ig

Featured Product



## Basic Information

Catalog Number:

66015-2-Ig

Size:

150ul, Concentration: 1700 ug/ml by Nanodrop and 1000 ug/ml by Bradford method using BSA as the standard;

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

Recommended Dilutions:

WB 1:2000-1:10000

IHC 1:50-1:500

## Applications

Tested Applications:

WB, IHC, FC (Intra), 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,

## 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

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

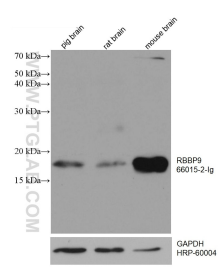
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

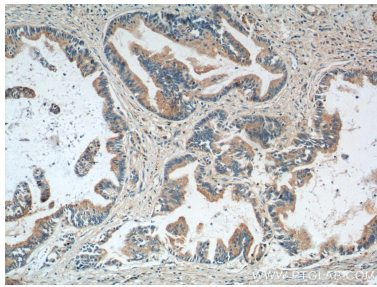
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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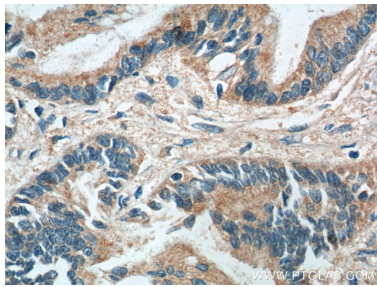
Selected Validation Data



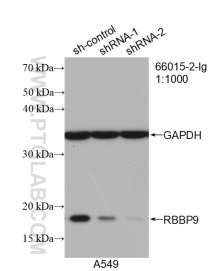
Various lysates were subjected to SDS PAGE followed by western blot with 66015-2-Ig (RBBP9 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control.



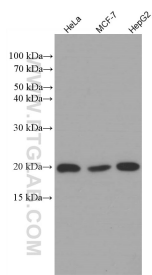
Immunohistochemical analysis of paraffin-embedded human pancreas cancer tissue slide using 66015-2-Ig (RBBP9 Antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



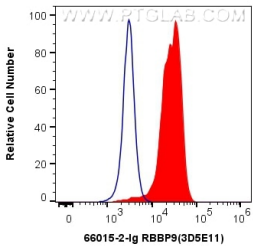
Immunohistochemical analysis of paraffin-embedded human pancreas cancer tissue slide using 66015-2-Ig (RBBP9 Antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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.



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.



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 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).