

For Research Use Only

# RBBP9 Monoclonal antibody

Catalog Number: 66015-1-Ig



## Basic Information

<b>Catalog Number:</b> 66015-1-Ig	<b>GenBank Accession Number:</b> BC015938	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 833 $\mu$ g/ml	<b>GeneID (NCBI):</b> 10741	<b>CloneNo.:</b> 1H6D8
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> O75884	<b>Recommended Dilutions:</b> WB 1:500-1:1000 IHC 1:50-1:500 IF/ICC 1:10-1:100
<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:**  
IF/ICC, IHC, WB, ELISA

**Species Specificity:**  
human

**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 :** A549 cells,

**IHC :** human pancreas cancer tissue, human pancreas tissue

**IF/ICC :** HeLa 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:

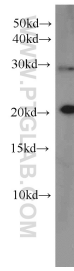
T: 4006900926

E: Proteintech-CN@ptglab.com

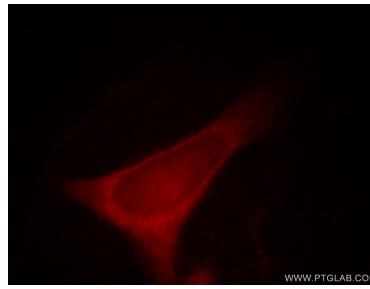
W: ptgcn.com

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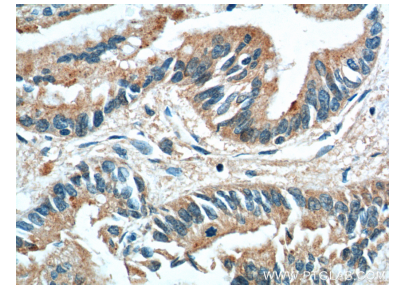
## Selected Validation Data



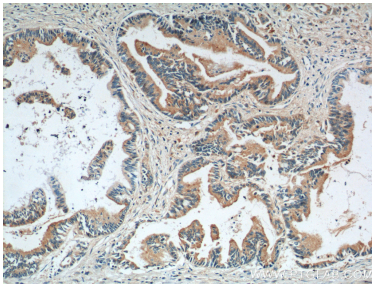
A549 cells were subjected to SDS PAGE followed by western blot with 66015-1-Ig (RBBP9 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of HeLa cells, using RBBP9 antibody 66015-1-Ig at 1:25 dilution and Rhodamine-labeled goat anti-mouse IgG (red).



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