

For Research Use Only

# RbAp46 Polyclonal antibody

Catalog Number: 20365-1-AP

Featured Product

7 Publications



## Basic Information

**Catalog Number:**

20365-1-AP

**Size:**

150ul, Concentration: 450 ug/ml by Nanodrop;

**Source:**

Rabbit

**Isotype:**

IgG

**GenBank Accession Number:**

NM\_002893

**GeneID (NCBI):**

5931

**UNIPROT ID:**

Q16576

**Full Name:**

retinoblastoma binding protein 7

**Calculated MW:**

48 kDa

**Observed MW:**

52 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:2000-1:12000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:50-1:500

IF/ICC 1:500-1:2000

## Applications

**Tested Applications:**

WB, IHC, IF/ICC, IP, ELISA

**Cited Applications:**

WB, IHC

**Species Specificity:**

human, mouse, rat

**Cited Species:**

human

**Positive Controls:**

**WB:** A431 cells, COS-7 cells, HEK-293T cells, HeLa cells

**IP:** A431 cells,

**IHC:** human breast cancer tissue, human cervical cancer tissue

**IF/ICC:** A431 cells,

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

## Background Information

RBBP7, also named as RBAP46, belongs to the WD repeat RBAP46/RBAP48/MSI1 family. RBBP7 is a core histone-binding subunit that may target chromatin remodeling factors, histone acetyltransferases and histone deacetylases to their histone substrates in a manner that is regulated by nucleosomal DNA. It is a component of several complexes which regulate chromatin metabolism. The antibody is specific to RBBP7.

## Notable Publications

| Author        | Pubmed ID | Journal                    | Application |
|---------------|-----------|----------------------------|-------------|
| Jianqing Wang | 31636385  | Oncogene                   | WB          |
| Ning Yu       | 30546458  | Oncol Lett                 | WB,IHC      |
| Can Ma        | 29758199  | Biochem Biophys Res Commun | WB,IHC      |

## 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

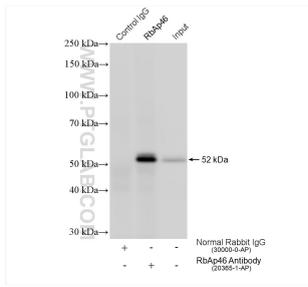
For technical support and original validation data for this product please contact:

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

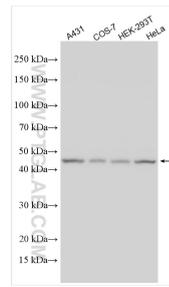
E: proteintech@ptglab.com  
W: ptglab.com

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

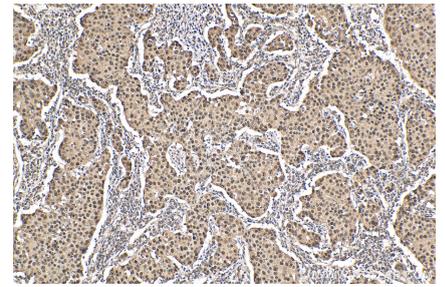
## Selected Validation Data



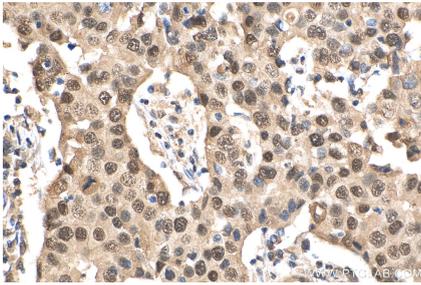
IP result of anti-RbAp46 (IP:20365-1-AP, 4 $\mu$ g; Detection:20365-1-AP 1:4000) with A431 cells lysate 2640  $\mu$ g.



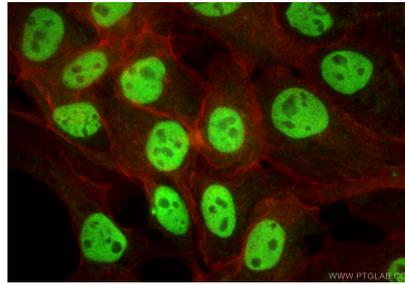
Various lysates were subjected to SDS PAGE followed by western blot with 20365-1-AP (RbAp46 antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 20365-1-AP (RbAp46 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 breast cancer tissue slide using 20365-1-AP (RbAp46 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed A431 cells using RbAp46 antibody (20365-1-AP) at dilution of 1:1000 and CoraLite@488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).