

RBBP9 Polyclonal antibody

Catalog Number: 12230-2-AP

Featured Product

4 Publications

Basic Information

Catalog Number:

12230-2-AP

Size:

300 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG2868

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:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:3000

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

IHC 1:20-1:200

Applications

Tested Applications:

FC, IHC, IP, WB, ELISA

Cited Applications:

WB, IF, IHC

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse

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 : mouse testis tissue, A375 cells, human lung tissue, human spleen tissue, mouse lung tissue

IP : mouse lung tissue,

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- β 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- β 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) The genes CyFIP2 and RbBP9, which are also miss-expressed in ALS hMSC, could serve as diagnostic biomarker tools for detection of ALS in blood samples.

Notable Publications

Author	Pubmed ID	Journal	Application
Nachmany Henny H	22430187	Dis Markers	WB
Maya A Olshina	31903784	Antioxid Redox Signal	WB
Michael D O'Connor	21689726	Exp Hematol	WB

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

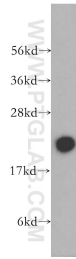
For technical support and original validation data for this product please contact:

T: 4006900926

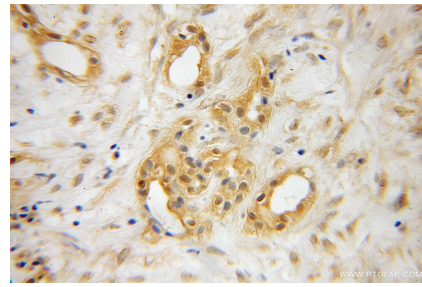
E: Proteintech-CN@ptglab.comW: ptgcn.com

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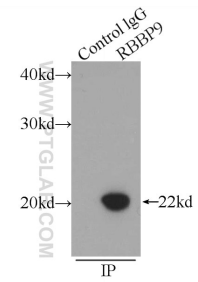
Selected Validation Data



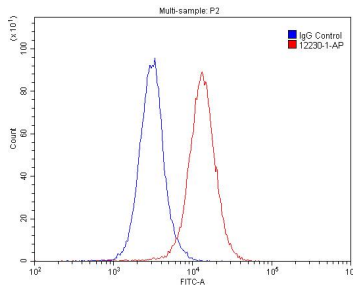
mouse testis tissue were subjected to SDS PAGE followed by western blot with 12230-2-AP (RBBP9 antibody) at dilution of 1:400 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human pancreas cancer using 12230-2-AP (RBBP9 antibody) at dilution of 1:50 (under 10x lens).



IP result of anti-RBBP9 (IP:12230-2-AP, 3ug; Detection:12230-2-AP 1:300) with mouse lung tissue lysate 5160ug.



1X10⁶ BxPC-3 cells were stained with 0.2ug RBBP9 antibody (12230-2-AP, red) and control antibody (blue). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1500. Cells were fixed with 4% PFA and permeabilized with 0.1% Triton X-100.