

For Research Use Only

RBBP9 Polyclonal antibody

Catalog Number: 12230-2-AP

Featured Product

5 Publications



Basic Information

Catalog Number:

12230-2-AP

Concentration:

300 ug/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 ug for 1.0-3.0 mg of total protein lysate

IHC 1:20-1:200

Applications

Tested Applications:

WB, IHC, FC (Intra), IP, ELISA

Cited Applications:

WB, IHC, IF

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:

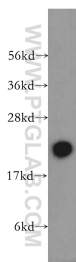
T: 4006900926

E: Proteintech-CN@ptglab.com

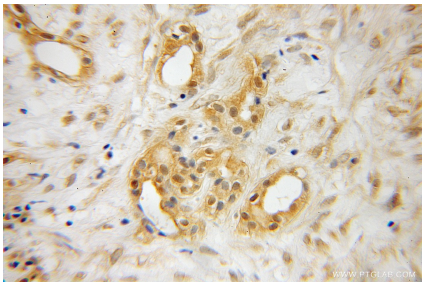
W: ptgcn.com

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

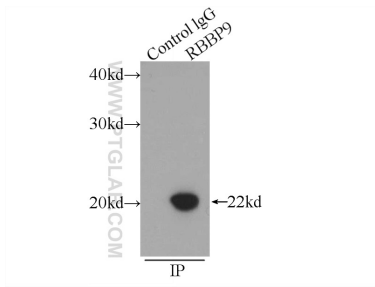
Selected Validation Data



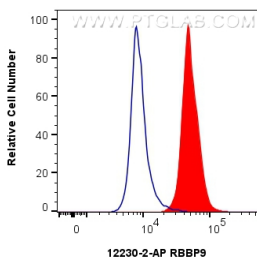
mouse testis tissue were subjected to SDS PAGE followed by western blot with 12230-2-AP (RBBP9 antibody) at dilution of 1:400 incubated at room temperature for 1.5 hours.



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 intracellularly stained with 0.4 ug RBBP9 Polyclonal antibody (12230-2-AP) and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2)(red), or 0.4 ug Rabbit IgG control Rabbit PolyAb (30000-O-AP) (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).