For Research Use Only

RBBP9 Polyclonal antibody

Catalog Number:12230-2-AP Featured Product 5 Publications

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Basic Information

Catalog Number:
12230-2-AP

Size:
150ul , Concentration: 300 ug/ml by Nanodrop and 200 ug/ml by Bradford method using BSA as the standard;

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-β1 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

*** 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
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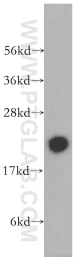
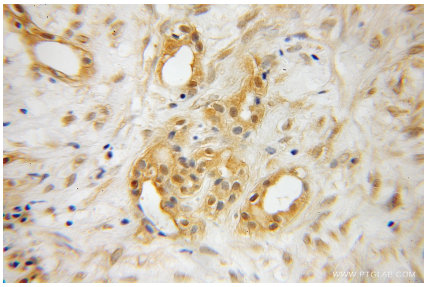
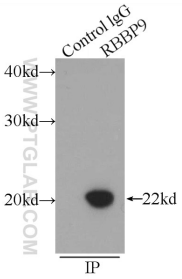
Selected Validation Data



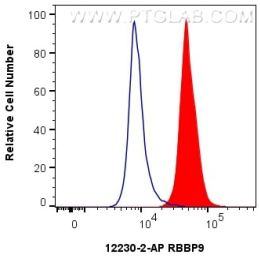
mouse testis tissue were subjected to SDS PAGE followed by western blot with 12230-2-AP (RBBP9 antibody) at dilution of 1:400 incubated at room temperature for 1.5 hours.



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.



1x10^6 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 (30000-0-AP) (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).