

For Research Use Only

# RBPJ Polyclonal antibody

Catalog Number: 30044-1-AP 1 Publications



## Basic Information

<b>Catalog Number:</b> 30044-1-AP	<b>GenBank Accession Number:</b> BC064976	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 450 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 3516	<b>Recommended Dilutions:</b> WB 1:500-1:2000 IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate IHC 1:50-1:500
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q06330	
<b>Isotype:</b> IgG	<b>Full Name:</b> recombination signal binding protein for immunoglobulin kappa J region	
<b>Immunogen Catalog Number:</b> AG32552	<b>Calculated MW:</b> 56 kDa	
	<b>Observed MW:</b> ~60 kDa	

## Applications

<b>Tested Applications:</b> WB, IP, IHC, ELISA	<b>Positive Controls:</b> WB : HepG2 cells, MCF-7 cells, NIH/3T3 cells IP : HepG2 cells, IHC : human pancreas cancer tissue,
<b>Cited Applications:</b> IP	
<b>Species Specificity:</b> Human, mouse	
<b>Cited Species:</b> human	

**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

RBPJ, also named as IGKJRB, IGKJRB1, RBPJK, RBPSUH, NY-REN-30, CBF-1 and CSL, belongs to the Su(H) family. It is a transcriptional regulator that plays a central role in Notch signaling, a signaling pathway involved in cell-cell communication that regulates a broad spectrum of cell-fate determinations. RBPJ acts as a transcriptional repressor when it is not associated with Notch proteins. It is specifically binds to the immunoglobulin kappa-type J segment recombination signal sequence. RBPJ binds to the Runx3 promoter in the atrioventricular canal in vivo, and inhibition of Notch reduces RUNX3 expression in the cardiac cushion of embryonic hearts.

## Notable Publications

Author	Pubmed ID	Journal	Application
Morgane Fournier	39478150	EMBO Mol Med	IP

## Storage

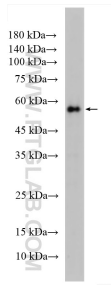
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

**\*\*\* 20ul sizes contain 0.1% BSA**

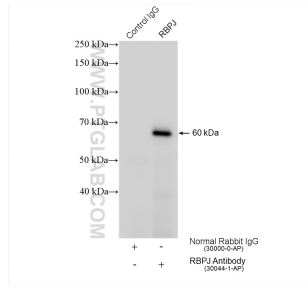
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

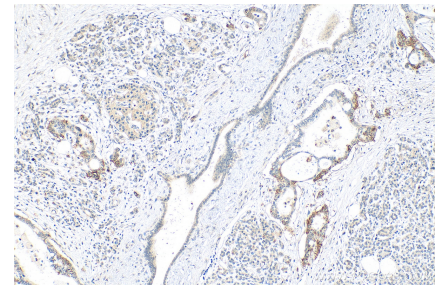
## Selected Validation Data



HepG2 cells were subjected to SDS PAGE followed by western blot with 30044-1-AP (RBPJ antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



IP result of anti-RBPJ (IP:30044-1-AP, 4ug; Detection:30044-1-AP 1:1000) with HepG2 cells lysate 1080 ug.



Immunohistochemical analysis of paraffin-embedded human pancreas cancer tissue slide using 30044-1-AP (RBPJ antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).