

For Research Use Only

RBPJ Polyclonal antibody

Catalog Number: 30044-1-AP



Basic Information

Catalog Number: 30044-1-AP	GenBank Accession Number: BC064976	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 450 µg/ml by Nanodrop;	GeneID (NCBI): 3516	Recommended Dilutions: WB 1:500-1:2000 IHC 1:50-1:500
Source: Rabbit	Full Name: recombination signal binding protein for immunoglobulin kappa J region	
Isotype: IgG	Calculated MW: 56 kDa	
Immunogen Catalog Number: AG32552	Observed MW: ~60 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls: WB : HepG2 cells, MCF-7 cells, NIH/3T3 cells IHC : human pancreas cancer tissue,
Species Specificity: 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

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.

Storage

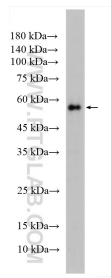
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

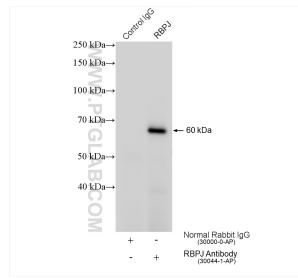
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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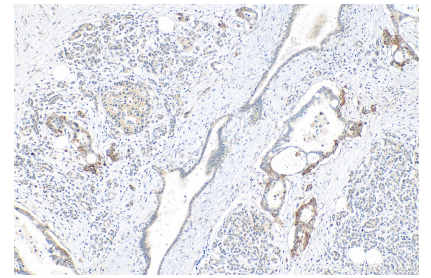
Selected Validation Data



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).