

## Rabbit anti-Human RBPJ Polyclonal Antibody | anti-RBPJ antibody

RBPJ Antibody (N-term)

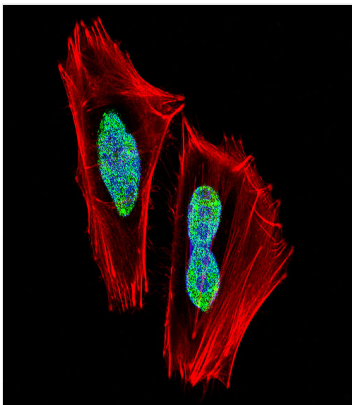
| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                                                  |
|-----------|--------|------------|---------------------------------------------------------------|
| AAA285596 | Rabbit | Human      | Immunofluorescence, Immunohistochemistry, ELISA, Western Blot |

### PRODUCT SYNONYMS

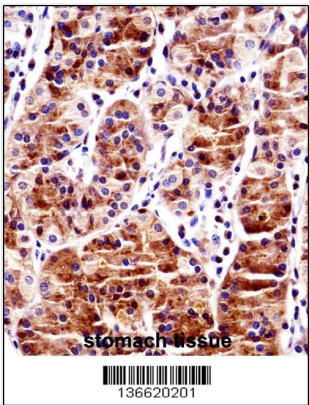
RBPJ; Polyclonal Antibody; RBPJ Antibody (N-term); Recombining binding protein suppressor of hairless; CBF-1; J kappa-recombination signal-binding protein; RBP-J kappa; RBP-J; RBP-JK; Renal carcinoma antigen NY-REN-30; IGKJRB; IGKJRB1; RBPJK; RBPSUH; anti-RBPJ antibody

### PRODUCT SPECIFICATIONS

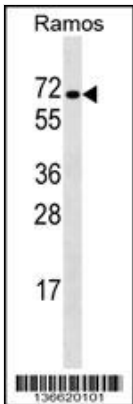
|                                                |                                                                                                                                                                              |
|------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                                                                                       |
| Reactivity                                     | Human                                                                                                                                                                        |
| Clonality                                      | Polyclonal                                                                                                                                                                   |
| Isotype                                        | Rabbit Ig                                                                                                                                                                    |
| Specificity                                    | This RBPJ antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-29 amino acids from the N-terminal region of human RBPJ.            |
| Purity/Purification                            | Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)                                                                                                                   |
| Form/Format                                    | Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification. |
| Concentration                                  | Vial Concentration: 0.5 (varies by lot)                                                                                                                                      |
| Sequence Positions                             | 1-29                                                                                                                                                                         |
| Sequence Length                                | 487                                                                                                                                                                          |
| Applicable Applications for anti-RBPJ antibody | IF (Immunofluorescence), IHC (Immunohistochemistry), ELISA, WB (Western Blot)                                                                                                |
| Antigen Type                                   | Synthetic Peptide                                                                                                                                                            |
| Crown Antibody                                 | Yes                                                                                                                                                                          |
| Antigen Source                                 | HUMAN                                                                                                                                                                        |
| Preparation and Storage                        | Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.                       |



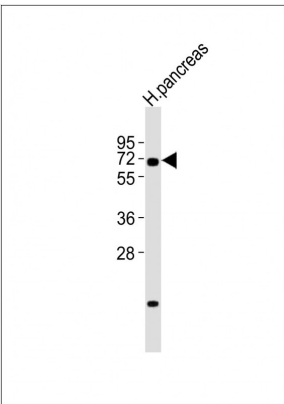
**IF (Immunofluorescence)**  
Fluorescent confocal image of A2058 cell stained with RBPJ Antibody (N-term). A2058 cells were fixed with 4% PFA (20 min), permeabilized with Triton X-100 (0.1%, 10 min), then incubated with RBPJ primary antibody (1:25, 1 h at 37 degree). For secondary antibody, Alexa Fluor 488 conjugated donkey anti-rabbit antibody (green) was used (1:400, 50 min at 37 degree). Cytoplasmic actin was counterstained with Alexa Fluor 555 (red) conjugated Phalloidin (7units/ml, 1 h at 37 degree). Nuclei were counterstained with DAPI (blue) (10 ug/ml, 10 min). RBPJ immunoreactivity is localized to nucleus significantly.



**IHC (Immunohistochemistry)**  
RBPJ Antibody (N-term) (AAA285596) immunohistochemistry analysis in formalin fixed and paraffin embedded human stomach tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of RBPJ Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.



**WB (Western Blot)**  
RBPJ Antibody (N-term) western blot analysis in Ramos cell line lysates (35ug/lane). This demonstrates the RBPJ antibody detected the RBPJ protein (arrow).



**WB (Western Blot)**  
Anti-RBPJ Antibody (N-term) at 1:2000 dilution + human pancreas lysates. Lysates/proteins at 20 ug per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 56 kDa. Blocking/Dilution buffer: 5% NFDm/TBST.

ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|----------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-RBPJ antibody | 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. Acts as a transcriptional repressor when it is not associated with Notch proteins. When associated with some Notch protein, it acts as a transcriptional activator that activates transcription of Notch target genes. Probably represses or activates transcription via the recruitment of chromatin remodeling complexes containing histone deacetylase or histone acetylase proteins, respectively. Specifically binds to the immunoglobulin kappa-type J segment recombination signal sequence. |
| Product Categories/Family for anti-RBPJ antibody   | Crown Antibodies; Neuroscience; Signal Transduction                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| References                                         | Chari, S., et al. J. Immunol. 185(1):410-417(2010)<br>Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :<br>Roberts, K.E., et al. Gastroenterology 139(1):130-139(2010)<br>Stahl, E.A., et al. Nat. Genet. 42(6):508-514(2010)<br>Johnson, S.E., et al. J. Biol. Chem. 285(9):6681-6692(2010)                                                                                                                                                                                                                                                                                                                                                                                                |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                        |
|----------------------------------|------------------------------------------------------------------------|
| NCBI GI #                        | 42560227                                                               |
| NCBI GeneID                      | 3516                                                                   |
| NCBI Accession #                 | NP_005340.2; NP_056958.3; NP_976028.1; NP_976029.1                     |
| NCBI GenBank Nucleotide #        | NM_005349.3                                                            |
| UniProt Accession #              | Q06330; Q5XKH9; Q6P1N3; B4DY22                                         |
| Molecular Weight                 | 55637                                                                  |
| NCBI Official Full Name          | recombining binding protein suppressor of hairless isoform 1           |
| NCBI Official Synonym Full Names | recombination signal binding protein for immunoglobulin kappa J region |
| NCBI Official Symbol             | RBPJ                                                                   |
| NCBI Official Synonym Symbols    | SUH; csl; AOS3; CBF1; KBF2; RBP-J; RBPJK; IGKJRB; RBPSUH; IGKJRB1      |
| NCBI Protein Information         | recombining binding protein suppressor of hairless                     |
| UniProt Protein Name             | Recombining binding protein suppressor of hairless                     |
| UniProt Gene Name                | <b>RBPJ</b>                                                            |
| UniProt Synonym Gene Names       | IGKJRB; IGKJRB1; RBPJK; RBPSUH; RBP-J; RBP-JK                          |
| UniProt Entry Name               | SUH_HUMAN                                                              |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/rbpj-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/285596>