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

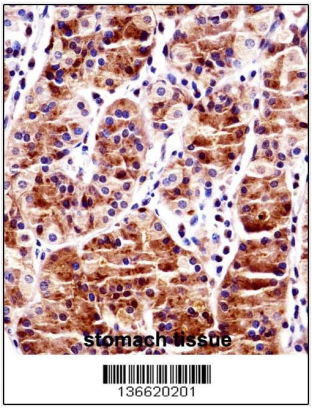
RBPJ; Polyclonal Antibody; RBPJ Antibody (N-term); Recombining binding protein suppressor of hairless; CBF-1; J kappa-recombination signal-binding protein; RBP-J kappa; RBP-J; RBP-JK; Renal carcinoma antigen NY-REN-30; IGKJRB; IGKJRB1; RBPJK; RBPSUH; anti-RBPJ antibody

PRODUCT SPECIFICATIONS

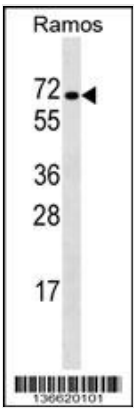
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This RBPJ antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-29 amino acids from the N-terminal region of human RBPJ.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal 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.

IMAGES

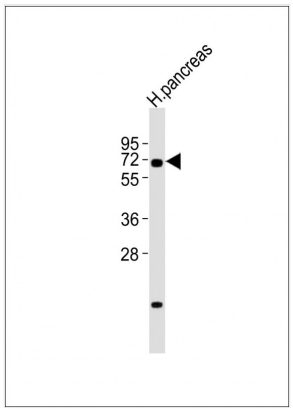
IF (Immunofluorescence)
Fluorescent confocal image of A2058 cell stained with RBPJ Antibody (N-term). A2058 cells were fixed with 4% PFA (20 min), permeabilized with Triton X-100 (0.1%, 10 min), then incubated with RBPJ primary antibody (1:25, 1 h at 37 degree). For secondary antibody, Alexa Fluor 488 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 (Immunohistochemisry)
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 lysatesLysates/proteins at 20 ug per lane.SecondaryGoat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilutionPredicted band size : 56 kDaBlocking/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) Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) : Roberts, K.E., et al. Gastroenterology 139(1):130-139(2010) Stahl, E.A., et al. Nat. Genet. 42(6):508-514(2010) 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	**RBPJ**
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://stage.aaabiotech.com/polyclonal/rbpj-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/285596