bs-2966R **[Primary Antibody]**

RBPJK Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 3516 **SWISS:** Q06330

Target: RBPJK

Immunogen: KLH conjugated synthetic peptide derived from human RBPJK: 101-200/500.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: 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 NICD product of Notch proteins (Notch intracellular domain), 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.

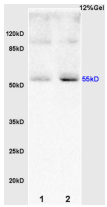
Applications: **WB** (1:500-2000)
IHC-P (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)

Reactivity: Human, Mouse (predicted: Rat, Rabbit, Pig, Cow, Dog, Horse)

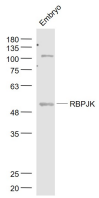
Predicted MW.: 56 kDa

Subcellular Location: Cytoplasm ,Nucleus

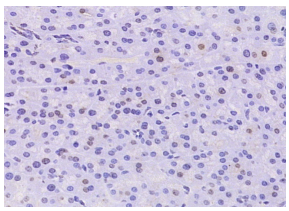
VALIDATION IMAGES



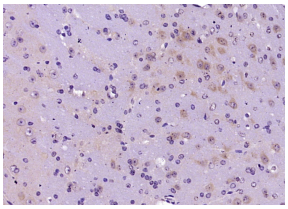
Sample: Embryo (Mouse) Lysate at 40 ug Colon carcinoma (Human) Lysate at 40 ug Primary: Anti-RBPJK (bs-2966R) at 1/300 dilution Secondary: HRP conjugated Goat-Anti-rabbit IgG (bs-0295G-HRP) at 1/5000 dilution Predicted band size: 56 kD Observed band size: 55 kD bs-2966R RBPJK/RBP-J (55kD)



Sample: Embryo (Mouse) Lysate at 40 ug Primary: Anti- RBPJK (bs-2966R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 56 kD Observed band size: 56 kD



Paraformaldehyde-fixed, paraffin embedded (mouse pancreas tissue); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (RBPJK) Polyclonal Antibody, Unconjugated (bs-2966R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.



Paraformaldehyde-fixed, paraffin embedded (mouse brain tissue); Antigen retrieval by boiling

in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (RBPJK) Polyclonal Antibody, Unconjugated (bs-2966R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.

SELECTED CITATIONS

- **[IF=5]** Ruyi Qu. et al. MiR-223-3p attenuates M1 macrophage polarization via suppressing the Notch signaling pathway and NLRP3-mediated pyroptosis in experimental autoimmune uveitis. EUR J PHARMACOL. 2023 Oct;:176139 WB,IF ;Rat. 10.1016/j.ejphar.2023.176139
- **[IF=5.1]** Qu Ruyi. et al. RBPJ Knockdown Promotes M2 Macrophage Polarization Through Mitochondrial ROS-mediated Notch1-Jagged1-Hes1 Signaling Pathway in Uveitis. INFLAMMATION. 2024 May;:1-18 WB ;Rat. 38761249
- **[IF=4.5]** Ruyi Qu. et al.RBPJ Knockdown Promotes M2 Macrophage Polarization Through Mitochondrial ROS-mediated Notch1-Jagged1-Hes1 Signaling Pathway in Uveitis.INFLAMMATION.2025 Feb;48(1):133-150. Western Blot ;Rat. 38761249
- **[IF=3.121]** Cho-Won Kim et al. Inhibitory effects of cigarette smoke extracts on neural differentiation of Mouseembryonic stem cells. Reprod Toxicol. 2020 Aug;95:75-85. WB ;Mouse. 32454085