

**RBPJK Antibody**  
Rabbit mAb  
Catalog # AP91753

## Specification

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### RBPJK Antibody - Product Information

Application	WB, ICC
Primary Accession	<a href="#">Q06330</a>
Reactivity	Rat
Clonality	Monoclonal
<b>Other Names</b>	
SUH; csl; AOS3; CBF1; KBF2; RBP-J; RBPJK; IGKJRB; RBPSUH; IGKJRB1;	
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	55637 Da

### RBPJK Antibody - Additional Information

Purification	<b>Affinity-chromatography</b>
Immunogen	<b>A synthesized peptide derived from human RBPJK</b>
Description	<b>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.</b>
Storage Condition and Buffer	<b>Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.</b>

### RBPJK Antibody - Protein Information

**Name** RBPJ ([HGNC:5724](#))

#### Function

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. Binds specifically to methylated DNA (PubMed:<a href="http://www.uniprot.org/citations/21991380" target="\_blank">21991380</a>). Binds to the

oxygen responsive element of COX4I2 and activates its transcription under hypoxia conditions (4% oxygen) (PubMed: <http://www.uniprot.org/citations/23303788> target="\_blank">23303788</a>). Negatively regulates the phagocyte oxidative burst in response to bacterial infection by repressing transcription of NADPH oxidase subunits (By similarity).

#### Cellular Location

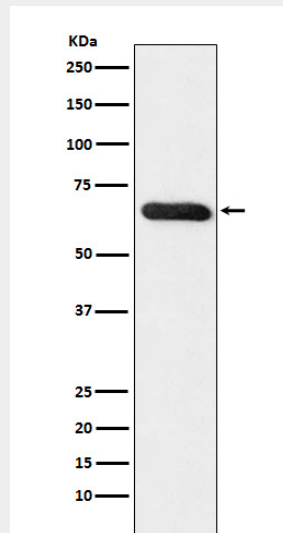
Nucleus. Cytoplasm. Note=Mainly nuclear, upon interaction with RITA/C12orf52, translocates to the cytoplasm, down- regulating the Notch signaling pathway

#### RBPJK Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

#### RBPJK Antibody - Images



Western blot analysis of RBPJK expression in MCF7 cell lysate.