

RBPJ Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP17401a**Specification**

RBPJ Antibody (N-term) Blocking Peptide - Product InformationPrimary Accession [Q06330](#)**RBPJ Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 3516**Other Names**

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, RBPJ, IGKJRB, IGKJRB1, RBPJK, RBPSUH

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

RBPJ Antibody (N-term) Blocking Peptide - 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:21991380). Binds to the oxygen responsive element of COX4I2 and activates its transcription under hypoxia conditions (4% oxygen) (PubMed:23303788). 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

RBPJ Antibody (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

RBPJ Antibody (N-term) Blocking Peptide - Images

RBPJ Antibody (N-term) Blocking Peptide - Background

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RBPJ Antibody (N-term) Blocking Peptide - 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)