

RBPJK Rabbit mAb

Catalog # AP76014

Product Information

Application	WB
Primary Accession	Q06330
Reactivity	Rat
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	55637

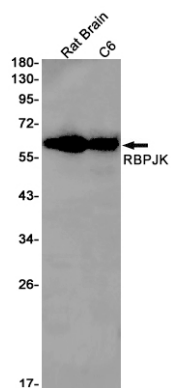
Additional Information

Gene ID	3516
Other Names	RBPJ
Dilution	WB~~1/500-1/1000
Format	Liquid

Protein Information

Name	RBPJ (HGNC:5724)
Function	<p>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).</p>
Cellular Location	Nucleus. Cytoplasm. Note=Mainly nuclear, upon interaction with RITA/C12orf52, translocates to the cytoplasm, down- regulating the Notch signaling pathway

Images



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