

## Product datasheet for **TA385148M**

### **RBPJK (RBPJ) Rabbit Monoclonal Antibody [Clone ID: R05-6G4]**

#### **Product data:**

Product Type:	Primary Antibodies
Clone Name:	R05-6G4
Applications:	WB
Recommended Dilution:	WB: 1/1000-1/5000
Reactivity:	Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Monoclonal
Immunogen:	A synthetic peptide of human RBPJK
Formulation:	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA
Concentration:	lot specific
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Stability:	1 year
Predicted Protein Size:	Calculated MW: 56 kDa; Observed MW: 61 kDa
Gene Name:	recombination signal binding protein for immunoglobulin kappa J region
Database Link:	<a href="#">Q06330</a>



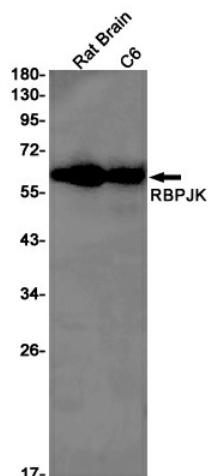
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**Background:**

Swiss-Prot Acc.Q06330. 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 .

**Synonyms:**

CBF-1; CBF1; csl; IGKJRB; IGKJRB1; KBF2; MGC61669; OTTHUMP00000123441; RBP-J; RBP-JK; RBPJK; RBPSUH; SUH

**Product images:**


Western blot analysis of RBPJK in rat Brain, C6 lysates using RBPJK antibody.