

## Anti-RBPJK Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

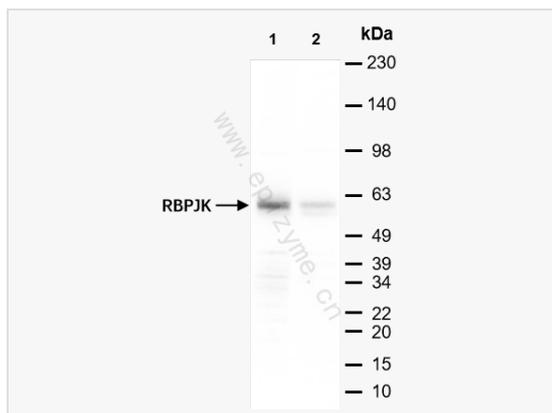
Catalog # R010972

### Product Information

Application	WB, IF (Cell)/ICC, ELISA
Reactivity	Mouse, Human
Dilution	WB 1:1,000~1:3,000; IF 1:100~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	75L81M06
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human RBPJK
Format	Affinity purified monoclonal antibody supplied in PBS with 0.01% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-RBPJK Rabbit mAb [75L81M06] is for research use only and not for use in diagnostic or therapeutic procedures.

### Protein Information

Synonyms	AI843960, AOS3, CBF 1, CBF-1, CBF1, csl, IGKJRB, IGKJRB1, J kappa recombination signal binding protein, J kappa-recombination signal-binding protein, KBF2, NY REN 30 antigen, RBP J, RBP J kappa, RBP JK, RBP-J, RBP-J kappa, RBP-JK, Rbpj, RBPJK, RBPSUH, recombination signal binding protein for immunoglobulin kappa J region, Recombining binding protein suppressor of hairless, Renal carcinoma antigen NY-REN-30, SUH, SUH_HUMAN.
Calculated MW	Calculated MW: 56 kDa; Observed MW: 61 kDa
Uniprot ID	Q06330
Gene ID	3516
Background	The protein encoded by this gene is a transcriptional regulator important in the Notch signaling pathway. The encoded protein acts as a repressor when not bound to Notch proteins and an activator when bound to Notch proteins. It is thought to function by recruiting chromatin remodeling complexes containing histone deacetylase or histone acetylase proteins to Notch signaling pathway genes. Several transcript variants encoding different isoforms have been found for this gene, and several pseudogenes of this gene exist on chromosome 9. [provided by RefSeq, Oct 2013]
Cellular Location	Nucleus. Cytoplasm. Mainly nuclear, upon interaction with RITA/C12orf52, translocates to the cytoplasm, down-regulating the Notch signaling pathway.



Western Blot - Anti-RBPJK Rabbit mAb [75L81M06]

All lanes: R010972 at 1:3,000 dilution

Lane 1: Raw264.7 (Mouse mononuclear macrophage leukemia cell) whole cell lysates

Lane 2: C2C12 (Mouse myoblasts epithelial cell) whole cell lysates

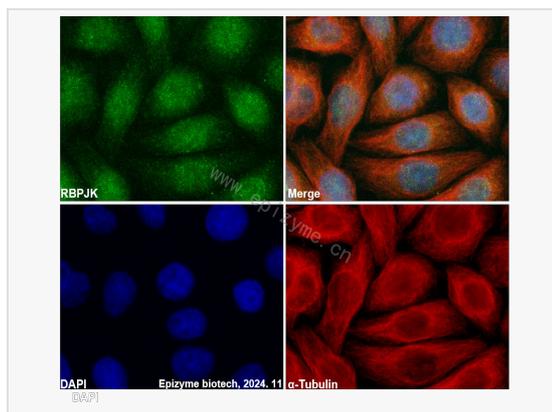
Lysates/proteins at 10  $\mu$ g per lane.

Secondary antibody: Goat Anti-Rabbit IgG(H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution

Predicted band size: 56 kDa

Observed band size: 61 kDa

Developed using the ECL technique (Cat. No. SQ201).



Immunofluorescence - Anti-RBPJK Rabbit mAb [75L81M06]

Sample: HeLa cells

The cells were fixed with 4% paraformaldehyde (10 min), permeabilized with 0.5% Triton X-100 for 10 minutes and then blocked with 5% BSA in 0.1% PBS-Tween for 0.5 hours.

Primary antibodies: R010972 at 1:100 dilution and  $\alpha$ -tubulin Mouse Monoclonal Antibody (Cat. No. LF209) at 1:100 dilution

Secondary antibodies: Goat anti-Rabbit (488) at 1:1,000 dilution (shown in green) and Goat anti-Mouse (555) at 1:1,000 dilution (shown in red)

Nuclei were stained with DAPI (shown in blue).