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# RBP-J $\kappa$ (h3): 293T Lysate: sc-177851

## BACKGROUND

Recombination signal binding protein J $\kappa$  (RBP-J $\kappa$ ), also designated KBF2 or CBF1, is the mammalian homolog of the *Drosophila* Suppressor of Hairless [Su(H)], a protein involved in the development of the peripheral nervous system. RBP-J $\kappa$  is ubiquitously expressed in mammalian tissues and is involved in the regulation of gene expression. RBP-J $\kappa$  has been shown to directly interact with the intercellular domain of the cell surface receptor Notch 1. Proteolytically cleaved Notch 1 translocates to the nucleus, where it binds DNA-bound RBP-J $\kappa$  and activates transcription of target genes. These genes include NF $\kappa$ B p52 and the Epstein-Barr virus (EBV) protein EBNA-2, both of which contain RBP-J $\kappa$  binding sequences within their promoter regions.

## REFERENCES

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## CHROMOSOMAL LOCATION

Genetic locus: RBPJ (human) mapping to 4p15.2.

## PRODUCT

RBP-J $\kappa$  (h3): 293T Lysate represents a lysate of human RBP-J $\kappa$  transfected 293T cells and is provided as 100  $\mu$ g protein in 200  $\mu$ l SDS-PAGE buffer.

## RESEARCH USE

For research use only, not for use in diagnostic procedures.

## APPLICATIONS

RBP-J $\kappa$  (h3): 293T Lysate is suitable as a Western Blotting positive control for human reactive RBP-J $\kappa$  antibodies. Recommended use: 10-20  $\mu$ l per lane.

Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

## STORAGE

Store at -20 $^{\circ}$  C. Repeated freezing and thawing should be minimized. Sample vial should be boiled once prior to use. Non-hazardous. No MSDS required.

## PROTOCOLS

See our web site at [www.scbt.com](http://www.scbt.com) for detailed protocols and support products.