

# P15RS (L-16): sc-85090

## BACKGROUND

The normal progression of cells through the cell cycle is under the control of the cyclin dependent protein kinases (Cdks), which are subject to inhibition by the mitotic inhibitory INK4 family. p15 is a member of the INK4 family and acts as a cyclin dependent kinase inhibitor to prevent Cdk kinase activation. P15RS (cyclin dependent kinase 2B-inhibitor-related protein), a 213 amino acid protein that contains an RPR domain, is involved in the regulation of nuclear pre-mRNA, which suggests that P15RS acts as a negative regulator of the G<sub>1</sub> phase of the cell cycle. The expression of P15RS is unregulated in cells that overexpress p15, further suggesting a role for P15RS in cell cycle regulation. The gene that encodes P15RS is located on chromosome 18q12.2.

## REFERENCES

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## CHROMOSOMAL LOCATION

Genetic locus: RPRD1A (human) mapping to 18q12.2.

## SOURCE

P15RS (L-16) is an affinity purified rabbit polyclonal antibody raised against a peptide mapping within an internal region of P15RS of human origin.

## PRODUCT

Each vial contains 100 µg IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-85090 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

## APPLICATIONS

P15RS (L-16) is recommended for detection of P15RS of human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 µg per 100-500 µg of total protein (1 ml of cell lysate)], immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

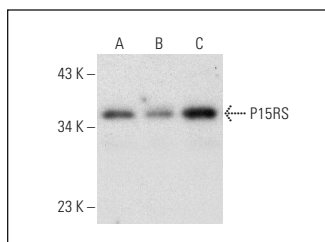
P15RS (L-16) is also recommended for detection of P15RS in additional species, including equine, canine, bovine and porcine.

Suitable for use as control antibody for P15RS siRNA (h): sc-76024, P15RS shRNA Plasmid (h): sc-76024-SH and P15RS shRNA (h) Lentiviral Particles: sc-76024-V.

Molecular Weight of P15RS: 36 kDa.

Positive Controls: Jurkat whole cell lysate: sc-2204, JAR cell lysate: sc-2276 or A-431 whole cell lysate: sc-2201.

## DATA



P15RS (L-16): sc-85090. Western blot analysis of P15RS expression in JAR (A), A-431 (B) and HCT-116 (C) whole cell lysates.

## STORAGE

Store at 4° C, **\*\*DO NOT FREEZE\*\***. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

## RESEARCH USE

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

**MONOS**  
Satisfaction  
Guaranteed

Try **P15RS (C-6): sc-514724** or **P15RS (F-3): sc-515588**, our highly recommended monoclonal alternatives to P15RS (L-16).