

# DEPDC1B (P-19): sc-246437

## BACKGROUND

DEPDC1B (DEP domain-containing protein1B), also known as XTP8 or HBV Xag-transactivated protein 9, is a 529 amino acid protein containing one DEP domain and a Rho-GAP domain. DEPDC1B is encoded by a gene located on human chromosome 5, which contains 181 million base pairs and comprises nearly 6% of the human genome. Chromosome 5 is associated with Cockayne syndrome through the ERCC8 gene and familial adenomatous polyposis through the adenomatous polyposis coli (APC) tumor suppressor gene. Treacher Collins syndrome is also chromosome 5-associated and is caused by insertions or deletions within the TCOF1 gene. Deletion of the p arm of chromosome 5 leads to cri du chat syndrome, while deletion of the q arm or of chromosome 5 altogether is common in therapy-related acute myelogenous leukemias and myelodysplastic syndrome.

## REFERENCES

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## CHROMOSOMAL LOCATION

Genetic locus: DEPDC1B (human) mapping to 5q12.1; Depdc1b (mouse) mapping to 13 D2.1.

## SOURCE

DEPDC1B (P-19) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of DEPDC1B of human origin.

## PRODUCT

Each vial contains 200 µg IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-246437 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

## APPLICATIONS

DEPDC1B (P-19) is recommended for detection of DEPDC1B of mouse, rat and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), 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); non cross-reactive with DEPDC1.

DEPDC1B (P-19) is also recommended for detection of DEPDC1B in additional species, including equine and porcine.

Suitable for use as control antibody for DEPDC1B siRNA (h): sc-91972, DEPDC1B siRNA (m): sc-143007, DEPDC1B shRNA Plasmid (h): sc-91972-SH, DEPDC1B shRNA Plasmid (m): sc-143007-SH, DEPDC1B shRNA (h) Lentiviral Particles: sc-91972-V and DEPDC1B shRNA (m) Lentiviral Particles: sc-143007-V.

Molecular Weight of DEPDC1B: 62 kDa.

## RECOMMENDED SECONDARY REAGENTS

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use donkey anti-goat IgG-HRP: sc-2020 (dilution range: 1:2000-1:100,000) or Cruz Marker™ compatible donkey anti-goat IgG-HRP: sc-2033 (dilution range: 1:2000-1:5000), Cruz Marker™ Molecular Weight Standards: sc-2035, TBS Blotto A Blocking Reagent: sc-2333 and Western Blotting Luminol Reagent: sc-2048. 2) Immunofluorescence: use donkey anti-goat IgG-FITC: sc-2024 (dilution range: 1:100-1:400) or donkey anti-goat IgG-TR: sc-2783 (dilution range: 1:100-1:400) with UltraCruz™ Mounting Medium: sc-24941.

## 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.