

# CLLD6 (D-20): sc-84059

## BACKGROUND

CLLD6 (chronic lymphocytic leukemia deletion region gene 6 protein), also known as SPRYD7 (SPRY domain-containing protein 7) or C13orf1, is a 196 amino acid protein that contains one B30.2/SPRY domain. Expression of CLLD6 is found at highest levels in heart, skeletal muscle and testis, with lower levels found in thymus, peripheral blood leukocytes, lymph node and bone marrow. Existing as two alternatively spliced isoforms, CLLD6 maps to human chromosome 13, which comprises nearly 4% of human DNA and contains about 114 million base pairs and 400 genes. Key tumor suppressor genes on chromosome 13 include the breast cancer susceptibility gene, BRCA2, and the RB1 (retinoblastoma) gene. RB1 encodes a crucial tumor suppressor protein which, when defective, leads to malignant growth in the retina and has been implicated in a variety of other cancers. The gene SLITRK1, which is associated with Tourette syndrome, is on chromosome 13. As with most chromosomes, polysomy of part or all of chromosome 13 is deleterious to development and decreases the odds of survival.

## REFERENCES

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## CHROMOSOMAL LOCATION

Genetic locus: SPRYD7 (human) mapping to 13q14.2; 6330409N04Rik (mouse) mapping to 14 D1.

## SOURCE

CLLD6 (D-20) is an affinity purified rabbit polyclonal antibody raised against a peptide mapping within an internal region of CLLD6 of human origin.

## STORAGE

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

## 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-84059 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

## APPLICATIONS

CLLD6 (D-20) is recommended for detection of CLLD6 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).

CLLD6 (D-20) is also recommended for detection of CLLD6 in additional species, including equine, canine, bovine, porcine and avian.

Suitable for use as control antibody for CLLD6 siRNA (h): sc-105215, CLLD6 siRNA (m): sc-142395, CLLD6 shRNA Plasmid (h): sc-105215-SH, CLLD6 shRNA Plasmid (m): sc-142395-SH, CLLD6 shRNA (h) Lentiviral Particles: sc-105215-V and CLLD6 shRNA (m) Lentiviral Particles: sc-142395-V.

Molecular Weight of CLLD6: 22 kDa.

Positive Controls: PC-12 cell lysate: sc-2250.

## RECOMMENDED SECONDARY REAGENTS

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use goat anti-rabbit IgG-HRP: sc-2004 (dilution range: 1:2000-1:100,000) or Cruz Marker™ compatible goat anti-rabbit IgG-HRP: sc-2030 (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 goat anti-rabbit IgG-FITC: sc-2012 (dilution range: 1:100-1:400) or goat anti-rabbit IgG-TR: sc-2780 (dilution range: 1:100-1:400) with UltraCruz™ Mounting Medium: sc-24941.

## RESEARCH USE

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

## PROTOCOLS

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