

# Dcun1D2 (C-12): sc-84075

## BACKGROUND

Dcun1D2, (defective in cullin neddylation protein 1-like protein 2 or DCN1-like protein 2), also designated C13orf17 or DCUN1L2, exists as 2 isoforms of 186 and 259 amino acids in length. Dcun1D2, which contains one DCUN1 domain and 1 UBA-like domain, may play a role in the neddylation of cullins that regulate SCF-type ubiquitin ligase complexes. The gene encoding Dcun1D2 exists on human chromosome 13. Comprising nearly 4% of the human genome, chromosome 13 contains around 114 million base pairs and encodes over 400 genes. Chromosome 13 houses key tumor suppressor genes, including BRCA2 and RB1, which are associated with breast cancer susceptibility and retinoblastoma, respectively. Trisomy 13, also known as Patau syndrome, is deadly and the few who survive past one year suffer from permanent neurologic defects, difficulty eating and vulnerability to serious respiratory infections.

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## CHROMOSOMAL LOCATION

Genetic locus: DCUN1D2 (human) mapping to 13q34; Dcun1d2 (mouse) mapping to 8 A1.1.

## SOURCE

Dcun1D2 (C-12) is an affinity purified rabbit polyclonal antibody raised against a peptide mapping at the C-terminus of Dcun1D2 of human origin.

## RESEARCH USE

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

## 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-84075 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

## APPLICATIONS

Dcun1D2 (C-12) is recommended for detection of Dcun1D2 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).

Dcun1D2 (C-12) is also recommended for detection of Dcun1D2 in additional species, including canine, porcine and avian.

Suitable for use as control antibody for Dcun1D2 siRNA (h): sc-105275, Dcun1D2 siRNA (m): sc-142908, Dcun1D2 shRNA Plasmid (h): sc-105275-SH, Dcun1D2 shRNA Plasmid (m): sc-142908-SH, Dcun1D2 shRNA (h) Lentiviral Particles: sc-105275-V and Dcun1D2 shRNA (m) Lentiviral Particles: sc-142908-V.

Molecular Weight of Dcun1D2 isoforms: 21/30 kDa.

## 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.

## STORAGE

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

## PROTOCOLS

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


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