Dcun1D5 (S-19): sc-246409



The Power to Question

BACKGROUND

The DCN1-like protein family is comprised of Dcun1D1, Dcun1D2, Dcun1D3, Dcun1D4 and Dcun1D5. The founding member, Dcun1D1, is involved in the malignant transformation of squamous cell lineage. Dcun1D5 (defective in cullin neddylation protein 1-like protein 5 or DCN1-like protein 5), is a 237 amino acid protein that contains one DCUN1 domain. The gene encoding Dcun1D5 maps to chromosome 11, which makes up around 4% of human genomic DNA and is considered a gene and disease association dense chromosome. The chromosome 11 encoded Atm gene is important for regulation of cell cycle arrest and apoptosis following double strand DNA breaks. Atm mutation leads to the disorder known as ataxia-telangiectasia. The blood disorders Sickle cell anemia and β thalassemia are caused by HBB gene mutations. Wilms' tumors, WAGR syndrome and Denys-Drash syndrome are associated with mutations of the WT1 gene.

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CHROMOSOMAL LOCATION

Genetic locus: DCUN1D5 (human) mapping to 11q22.3; Dcun1d5 (mouse) mapping to 9 A1.

SOURCE

Dcun1D5 (S-19) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of Dcun1D5 of human origin.

RESEARCH USE

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

PRODUCT

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

Blocking peptide available for competition studies, sc-246409 P, (100 μ g peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

Dcun1D5 (S-19) is recommended for detection of Dcun1D5 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 other Dcun1D family members.

Dcun1D5 (S-19) is also recommended for detection of Dcun1D5 in additional species, including equine, canine, bovine and porcine.

Suitable for use as control antibody for Dcun1D5 siRNA (h): sc-96718, Dcun1D5 siRNA (m): sc-142911, Dcun1D5 shRNA Plasmid (h): sc-96718-SH, Dcun1D5 shRNA Plasmid (m): sc-142911-SH, Dcun1D5 shRNA (h) Lentiviral Particles: sc-96718-V and Dcun1D5 shRNA (m) Lentiviral Particles: sc-142911-V.

Molecular Weight of Dcun1D5: 28 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.

PROTOCOLS

See our web site at www.scbt.com or our catalog for detailed protocols and support products.

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