

DKFZp761E198 (S-14): sc-167633

BACKGROUND

DKFZp761E198, also known as uncharacterized protein DKFZp761E198, is an 821 amino acid protein that interacts with C20orf29, KIAA0415, ZFYVE26 and Spatacsin. The gene encoding DKFZp761E198 maps to human chromosome 11q13.1. With approximately 135 million base pairs and 1,400 genes, chromosome 11 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. Jervell and Lange-Nielsen syndrome, Jacobsen syndrome, Niemann-Pick disease, hereditary angioedema and Smith-Lemli-Opitz syndrome are also associated with defects in chromosome 11.

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CHROMOSOMAL LOCATION

Genetic locus: DKFZp761E198 (human) mapping to 11q13.1; Gm962 (mouse) mapping to 19 A.

SOURCE

DKFZp761E198 (S-14) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of DKFZp761E198 of human origin.

PRODUCT

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

Blocking peptide available for competition studies, sc-167633 P, (100 μ g peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

DKFZp761E198 (S-14) is recommended for detection of DKFZp761E198 of human origin, Gm962 of mouse origin and RGD1562657 of rat 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).

DKFZp761E198 (S-14) is also recommended for detection of DKFZp761E198 in additional species, including equine, canine and porcine.

Suitable for use as control antibody for DKFZp761E198 siRNA (h): sc-96748, Gm962 siRNA (m): sc-145638, DKFZp761E198 shRNA Plasmid (h): sc-96748-SH, Gm962 shRNA Plasmid (m): sc-145638-SH, DKFZp761E198 shRNA (h) Lentiviral Particles: sc-96748-V and Gm962 shRNA (m) Lentiviral Particles: sc-145638-V.

Molecular Weight of DKFZp761E198: 88 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.

PROTOCOLS

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