

FLJ46082 (D-17): sc-246929

BACKGROUND

Chromosome 9 consists of about 145 million bases and 4% of the human genome and encodes nearly 900 genes. Considered to play a role in gender determination, deletion of the distal portion of 9p can lead to development of male to female sex reversal, the phenotype of a female with a male X,Y genotype. Hereditary hemorrhagic telangiectasia, which is characterized by harmful vascular defects, is associated with the chromosome 9 gene encoding endoglin protein, ENG. Familial dysautonomia is also associated with chromosome 9 through the gene IKBKAP. Notably, chromosome 9 encompasses the largest interferon family gene cluster. Chromosome 9 is partnered with chromosome 22 in the translocation leading to the aberrant production of Bcr-Abl fusion protein often found in leukemias. The FLJ46082 gene product has been provisionally designated FLJ46082 pending further characterization.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: C9orf171 (human) mapping to 9q34.13; 1700101E01Rik (mouse) mapping to 2 A3.

SOURCE

FLJ46082 (D-17) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of FLJ46082 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-246929 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

FLJ46082 (D-17) is recommended for detection of FLJ46082 of human origin, 1700101E01Rik of mouse origin and RGD1564114 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).

FLJ46082 (D-17) is also recommended for detection of FLJ46082 in additional species, including equine and bovine.

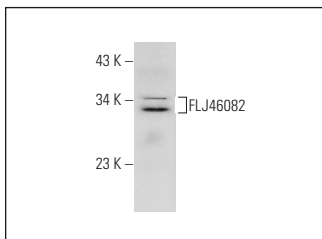
Suitable for use as control antibody for FLJ46082 siRNA (h): sc-92975, 1700101E01Rik siRNA (m): sc-108510, FLJ46082 shRNA Plasmid (h): sc-92975-SH, 1700101E01Rik shRNA Plasmid (m): sc-108510-SH, FLJ46082 shRNA (h) Lentiviral Particles: sc-92975-V and 1700101E01Rik shRNA (m) Lentiviral Particles: sc-108510-V.

Molecular Weight of FLJ46082: 36 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.

DATA



FLJ46082 (D-17): sc-246929. Western blot analysis of FLJ46082 expression in human liver tissue extract.

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.