

FLJ11184 (K-15): sc-164409

BACKGROUND

Representing approximately 6% of the human genome, chromosome 4 contains nearly 900 genes. Notably, the Huntingtin gene, which is found to encode an expanded glutamine tract in cases of Huntington's disease, is on chromosome 4. FGFR-3 is also encoded on chromosome 4 and has been associated with thanatophoric dwarfism, achondroplasia, Muenke syndrome and bladder cancer. Chromosome 4 is also tied to Ellis-van Creveld syndrome, methylmalonic acidemia and polycystic kidney disease. Chromosome 4 reportedly contains the largest gene deserts (regions of the genome with no protein encoding genes) and has one of the two lowest recombination frequencies of the human chromosomes. The FLJ11184 gene product has been provisionally designated FLJ11184 pending further characterization.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: TMA16 (human) mapping to 4q32.2; Tma16 (mouse) mapping to 8 B3.2.

SOURCE

FLJ11184 (K-15) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of FLJ11184 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-164409 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

FLJ11184 (K-15) is recommended for detection of FLJ11184 of human origin, 1810029B16Rik of mouse origin and the corresponding rat homolog 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).

FLJ11184 (S-15) is also recommended for detection of FLJ11184 in additional species, including equine, canine and avian.

Suitable for use as control antibody for FLJ11184 siRNA (h): sc-88913, 1810029B16Rik siRNA (m): sc-108563; FLJ11184 shRNA Plasmid (h): sc-88913-SH, 1810029B16Rik shRNA Plasmid (m): sc-108563-SH, FLJ11184 shRNA (h) Lentiviral Particles: sc-88913-V and 1810029B16Rik shRNA (m) Lentiviral Particles: sc-108563-V.

Molecular Weight of FLJ11184: 24 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.

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.