

C4orf34 (C-17): sc-242199

BACKGROUND

C4orf34 (chromosome 4 open reading frame 34) is a 99 amino acid single-pass membrane protein that is encoded by a gene that maps to human chromosome 4. Human chromosome 4 represents approximately 6% of the human genome and contains nearly 900 genes. Notably, the Huntingtin gene, which is found to encode an expanded glutamine tract in cases of Huntington's disease, is located on chromosome 4. FGFR-3 is also encoded by a gene that maps to human 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.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: C4orf34 (human) mapping to 4p14; 1110003E01Rik (mouse) mapping to 5 C3.1.

SOURCE

C4orf34 (C-17) is an affinity purified goat polyclonal antibody raised against a peptide mapping near the C-terminus of C4orf34 of human origin.

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-242199 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

C4orf34 (C-17) is recommended for detection of C4orf34 of human origin, 1110003E01Rik 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).

C4orf34 (C-17) is also recommended for detection of C4orf34 in additional species, including equine and canine.

Suitable for use as control antibody for C4orf34 siRNA (h): sc-88931, 1110003E01Rik siRNA (m): sc-108140, C4orf34 shRNA Plasmid (h): sc-88931-SH, 1110003E01Rik shRNA Plasmid (m): sc-108140-SH, C4orf34 shRNA (h) Lentiviral Particles: sc-88931-V and 1110003E01Rik shRNA (m) Lentiviral Particles: sc-108140-V.

Molecular Weight of C4orf34: 11 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.