LOC389333 (P-14): sc-168461



The Power to Question

BACKGROUND

With 181 million base pairs encoding around 1,000 genes, chromosome 5 is about 6% of human genomic DNA. It is associated with Cockayne syndrome through the ERCC8 gene and familial adenomatous polyposis through the adenomatous polyposis coli (APC) tumor suppressor gene. Treacher Collins syndrome is also chromosome 5q31.2 associated and is caused by insertions or deletions within the TCOF1 gene. Deletion of the p arm of chromosome 5q31.2 leads to Cri du chat syndrome. Deletion of 5q or chromosome 5 altogether is common in therapy-related acute myelogenous leukemias and myelodysplastic syndrome. The LOC389333 gene product has been provisionally designated LOC389333 pending further characterization.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: C5orf65 (human) mapping to 5q31.2; Gm1614 (mouse) mapping to 18 B2.

SOURCE

LOC389333 (P-14) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of LOC389333 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 lgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-168461 P, (100 μ g peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

LOC389333 (P-14) is recommended for detection of LOC389333 of human origin, Gm1614 of mouse origin and LOC689207 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).

Suitable for use as control antibody for LOC389333 siRNA (h): sc-91955, Gm1614 siRNA (m): sc-145498, LOC389333 shRNA Plasmid (h): sc-91955-SH, Gm1614 shRNA Plasmid (m): sc-145498-SH, LOC389333 shRNA (h) Lentiviral Particles: sc-91955-V and Gm1614 shRNA (m) Lentiviral Particles: sc-145498-V.

Molecular Weight of LOC389333: 127 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.

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