

FSTL5 (T-18): sc-246971

BACKGROUND

FSTL5 (follistatin-like protein 5), also known as KIAA1263, is an 847 amino acid secreted protein that contains 2 EF-hand domains, 2 Ig-like (immunoglobulin-like) domains and a Kazal-like domain. The gene encoding FSTL5 maps to human chromosome 4q32.2 and murine chromosome 3 E3. 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 is 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: FSTL5 (human) mapping to 4q32.2; Fstl5 (mouse) mapping to 3 E3.

SOURCE

FSTL5 (T-18) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of FSTL5 of human origin.

RESEARCH USE

For research use only, not for use in diagnostic procedures.

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-246971 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

FSTL5 (T-18) is recommended for detection of FSTL5 of mouse and human 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); non cross-reactive with FSTL4.

FSTL5 (T-18) is also recommended for detection of FSTL5 in additional species, including equine, canine, bovine and porcine.

Suitable for use as control antibody for FSTL5 siRNA (h): sc-89050, FSTL5 siRNA (m): sc-145260, FSTL5 shRNA Plasmid (h): sc-89050-SH, FSTL5 shRNA Plasmid (m): sc-145260-SH, FSTL5 shRNA (h) Lentiviral Particles: sc-89050-V and FSTL5 shRNA (m) Lentiviral Particles: sc-145260-V.

Molecular Weight of FSTL5: 96 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.

PROTOCOLS

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