

LOC85449 (N-13): sc-85749

BACKGROUND

LOC85449, also known as KIAA1755, is a 1,200 amino acid protein encoded by a gene that maps to human chromosome 20q11.23. Comprising approximately 2% of the human genome, chromosome 20 contains nearly 63 million bases that encode over 600 genes. Chromosome 20 houses a number of disease-associated genes, some of which are associated with Creutzfeldt-Jakob disease, amyotrophic lateral sclerosis, spinal muscular atrophy, ring chromosome 20 epilepsy syndrome and Alagille syndrome. In addition, chromosome 20 contains a region with numerous genes which are thought to be important for seminal production, and may be potential targets for male contraception.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: KIAA1755 (human) mapping to 20q11.23.

SOURCE

LOC85449 (N-13) is an affinity purified rabbit polyclonal antibody raised against a peptide mapping at the N-terminus of LOC85449 of human origin.

PRODUCT

Each vial contains 100 µg IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-85749 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

RESEARCH USE

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

APPLICATIONS

LOC85449 (N-13) is recommended for detection of LOC85449 of 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).

(N-13) is also recommended for detection of LOC85449 in additional species, including equine, canine and porcine.

Suitable for use as control antibody for LOC85449 siRNA (h): sc-75683, LOC85449 shRNA Plasmid (h): sc-75683-SH and LOC85449 shRNA (h) Lentiviral Particles: sc-75683-V.

Molecular Weight of LOC85449: 131 kDa.

RECOMMENDED SECONDARY REAGENTS

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use goat anti-rabbit IgG-HRP: sc-2004 (dilution range: 1:2000-1:100,000) or Cruz Marker™ compatible goat anti-rabbit IgG-HRP: sc-2030 (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 goat anti-rabbit IgG-FITC: sc-2012 (dilution range: 1:100-1:400) or goat anti-rabbit IgG-TR: sc-2780 (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.