LLC1 (S-17): sc-85608



The Power to Ouestin

BACKGROUND

LLC1 (low in lung cancer 1), also known as C20orf85, is a 137 amino acid protein that may play a role in lung tumorigenesis. The gene encoding LLC1 is located on human chromosome 20, which is comprised of approximately 2% of the human genome, chromosome 20 contains nearly 63 million bases that encode over 600 genes, some of which are associated with Creutzfeldt-Jakob disease, amyotrophic lateral sclerosis, spinal muscular atrophy, ring chromosome 20 epilepsy syndrome and Alagille syndrome. Additionally, chromosome 20 contains a region with numerous genes which are thought important for seminal production and may be potential targets for male contraception.

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CHROMOSOMAL LOCATION

Genetic locus: C20orf85 (human) mapping to 20q13.32; 1700021F07Rik (mouse) mapping to 2 H4.

SOURCE

LLC1 (S-17) is an affinity purified rabbit polyclonal antibody raised against a peptide mapping within an internal region of LLC1 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 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-85608 P, (100 μ g peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

LLC1 (S-17) is recommended for detection of LLC1 of mouse, rat 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).

LLC1 (S-17) is also recommended for detection of LLC1 in additional species, including equine, canine, bovine and porcine.

Suitable for use as control antibody for LLC1 siRNA (h): sc-75428, LLC1 siRNA (m): sc-146758, LLC1 shRNA Plasmid (h): sc-75428-SH, LLC1 shRNA Plasmid (m): sc-146758-SH, LLC1 shRNA (h) Lentiviral Particles: sc-75428-V and LLC1 shRNA (m) Lentiviral Particles: sc-146758-V.

Molecular Weight of LLC1: 16 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) 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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