

LRCH2 (S-19): sc-247822

BACKGROUND

LRCH2 (leucine-rich repeat and calponin homology domain-containing protein 2) is a 765 amino acid protein that contains 9 LRR (leucine-rich) repeats and one CH (calponin-homology) domain. LRCH2 is a member of the leucine-rich repeat and calponin homology domain-containing protein family. Members of this family contain multiple N-terminal leucine-rich repeats in addition to a C-terminal calponin homology domain, a type of domain that mediates interactions with actin filaments. The gene that encodes LRCH2 is made up of approximately 123,457 bases and maps to human chromosome Xq23. Human chromosome X consists of about 153 million base pairs and nearly 1,000 genes. Color blindness, hemophilia and Duchenne muscular dystrophy are well known X chromosome-linked conditions which affect males more frequently, as males carry a single X chromosome.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: LRCH2 (human) mapping to Xq23; Lrch2 (mouse) mapping to X F2.

SOURCE

LRCH2 (S-19) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of LRCH2 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-247822 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

LRCH2 (S-19) is recommended for detection of LRCH2 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); non cross-reactive with LRCH1, LRCH3 or LRCH4.

LRCH2 (S-19) is also recommended for detection of LRCH2 in additional species, including equine, canine, bovine and porcine.

Suitable for use as control antibody for LRCH2 siRNA (h): sc-90990, LRCH2 siRNA (m): sc-149031, LRCH2 shRNA Plasmid (h): sc-90990-SH, LRCH2 shRNA Plasmid (m): sc-149031-SH, LRCH2 shRNA (h) Lentiviral Particles: sc-90990-V and LRCH2 shRNA (m) Lentiviral Particles: sc-149031-V.

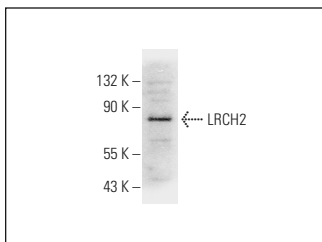
Molecular Weight of LRCH2: 85 kDa.

Positive Controls: Jurkat whole cell lysate: sc-2204.

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.

DATA



LRCH2 (S-19): sc-247822. Western blot analysis of LRCH2 expression in Jurkat whole cell lysate.

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.