SLITRK6 (L-17): sc-84605



The Power to Question

BACKGROUND

The leucine-rich (LRR) repeat is a 20-30 amino acid motif that forms a hydrophobic α/β horseshoe fold, allowing it to accommodate several leucine residues within a tightly packed core. All LRR repeats contain a variable segment and a highly conserved segment, the latter of which accounts for 11 or 12 residues of the entire LRR motif. SLITRK6 (SLIT and NTRK-like family, member 6) is an 841 amino acid single-pass type I membrane protein that contains 16 LRR repeats and belongs to the SLITRK family. Expressed at high levels in select brain tissue, as well as in both adult and fetal lung, SLITRK6 functions to suppress neurite outgrowth, playing a role in the regulation of neuronal function. Multiple isoforms of SLITRK6 exist due to alternative splicing events.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: SLITRK6 (human) mapping to 13q31.1; Slitrk6 (mouse) mapping to 14 E3.

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.

SOURCE

SLITRK6 (L-17) is an affinity purified rabbit polyclonal antibody raised against a peptide mapping within an extracellular domain of SLITRK6 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-84605 P, (100 μ g peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

SLITRK6 (L-17) is recommended for detection of SLITRK6 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 isoform 2.

Suitable for use as control antibody for SLITRK6 siRNA (h): sc-76513, SLITRK6 siRNA (m): sc-153599, SLITRK6 shRNA Plasmid (h): sc-76513-SH, SLITRK6 shRNA Plasmid (m): sc-153599-SH, SLITRK6 shRNA (h) Lentiviral Particles: sc-76513-V and SLITRK6 shRNA (m) Lentiviral Particles: sc-153599-V.

Molecular Weight of SLITRK6: 95 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) Immunofluo-rescence: 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.

RESEARCH USE

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

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