

SLAIN1 (P-20): sc-85156

BACKGROUND

SLAIN1 (SLAIN motif family, member 1) is a 561 amino acid member of the SLAIN motif-containing family and is expressed in embryonic stem cells, as well as in lung, brain and testis, where it exists as 2 alternatively spliced isoforms. The gene encoding SLAIN1 maps to human chromosome 13, which houses over 400 genes, such as BRCA2 and RB1, and comprises nearly 4% of the human genome. As with most chromosomes, polysomy of part or all of chromosome 13 is deleterious to development and decreases the odds of survival. Trisomy 13, also known as Patau syndrome, is deadly and the few who survive past one year suffer from permanent neurologic defects, difficulty eating and vulnerability to serious respiratory infections.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: SLAIN1 (human) mapping to 13q22.3; Slain1 (mouse) mapping to 14 E2.3.

SOURCE

SLAIN1 (P-20) is an affinity purified rabbit polyclonal antibody raised against a peptide mapping within an internal region of SLAIN1 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-85156 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

STORAGE

Store at 4° C, ****DO NOT FREEZE****. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

APPLICATIONS

SLAIN1 (P-20) is recommended for detection of SLAIN1 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).

SLAIN1 (P-20) is also recommended for detection of SLAIN1 in additional species, including equine, canine, bovine and porcine.

Suitable for use as control antibody for SLAIN1 siRNA (h): sc-76504, SLAIN1 siRNA (m): sc-153482, SLAIN1 shRNA Plasmid (h): sc-76504-SH, SLAIN1 shRNA Plasmid (m): sc-153482-SH, SLAIN1 shRNA (h) Lentiviral Particles: sc-76504-V and SLAIN1 shRNA (m) Lentiviral Particles: sc-153482-V.

Molecular Weight of SLAIN1: 61 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.

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.