

Slf1 (L-19): sc-248653

BACKGROUND

Schlafen family members are preferentially expressed in lymphoid tissues and are differentially regulated during thymocyte maturation. Schlafen proteins function as suppressors of cell growth and are thought to play a role in the maintenance of T cell quiescence. The prototype member of the Schlafen family, Sfln1, is transcriptionally unregulated during thymocyte positive selection, and the induction of Sfln1 induces a G₀/G₁ arrest, suggesting that Sfln1 participates in the regulation of cell cycle and potentially acts as a determining factor for apoptosis. These proteins all contain a largely conserved core domain within the center of the sequence, and yet they are substantially diversified at the N terminus. As a member of the Schlafen family, SflnL1 (Schlafen-like protein 1) is a 407 amino acid protein that shares structural similarities to other Schlafen proteins and exists as 4 alternatively spliced isoforms.

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CHROMOSOMAL LOCATION

Genetic locus: Sfln1 (mouse) mapping to 4 D2.2.

SOURCE

SflnL1 (L-19) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of SflnL1 of mouse 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-248653 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

SflnL1 (L-19) is recommended for detection of SflnL1 of mouse and rat 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 other Sfln family members.

Suitable for use as control antibody for SflnL1 siRNA (m): sc-153593, SflnL1 shRNA Plasmid (m): sc-153593-SH and SflnL1 shRNA (m) Lentiviral Particles: sc-153593-V.

Molecular Weight of SflnL1: 46/39/40/29 kDa.

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.

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.