

Elongin B (D-14): sc-23406

BACKGROUND

Individuals harboring germline mutations in the tumor suppressor gene von Hippel-Lindau (VHL) exhibit an increased susceptibility to a variety of tumors including renal carcinoma, hemangio-blastoma of the central nervous system and pheochromocytoma. The Elongin (SIII) complex has been identified as the functional target of the VHL protein. Elongin (SIII) is a heterotrimer composed of a transcriptional active subunit designated Elongin A and two regulatory subunits designated Elongin B and Elongin C. VHL functions by binding to the Elongin B and C subunits, inhibiting the transcriptional efficacy of the Elongin (SIII) complex.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: TCEB2 (human) mapping to 16p13.3; Tceb2 (mouse) mapping to 17 A3.3.

SOURCE

Elongin B (D-14) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of Elongin B 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-23406 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

Elongin B (D-14) is recommended for detection of Elongin B 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).

Elongin B (D-14) is also recommended for detection of Elongin B in additional species, including equine, canine, bovine and porcine.

Suitable for use as control antibody for Elongin B siRNA (h): sc-35294, Elongin B siRNA (m): sc-35295, Elongin B shRNA Plasmid (h): sc-35294-SH, Elongin B shRNA Plasmid (m): sc-35295-SH, Elongin B shRNA (h) Lentiviral Particles: sc-35294-V and Elongin B shRNA (m) Lentiviral Particles: sc-35295-V.

Molecular Weight of Elongin B: 18 kDa.

Positive Controls: mouse testes extract: sc-2405, Jurkat whole cell lysate: sc-2204 or HeLa whole cell lysate: sc-2200.

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.



Try **Elongin B (D-5): sc-133090** or **Elongin B (10C4): sc-53692**, our highly recommended monoclonal alternatives to Elongin B (D-14).