

cylindromatosis 1 (m): 293T Lysate: sc-119562

BACKGROUND

Familial cylindromatosis is an autosomal dominant genetic predisposition to multiple benign neoplasms of the skin known as cylindromas. These cylindromas may become infected, resulting in disfigurement and discomfort. In severe cases, ulcerated cylindromas are only treatable by reconstructive surgery with skin grafts. The human CYLD gene on chromosome 16q12.1 encodes the protein cylindromatosis 1. Mutations in this gene are responsible for familial cylindromatosis. The cylindromatosis 1 protein contains three cytoskeletal-associated protein-glycine conserved (CAP-GLY) domains and may function to coordinate the attachment of organelles to microtubules. Cylindromatosis 1 is expressed in brain, gonads, skeletal muscle, spleen, liver, heart, lung and leukocytes. Somatic mutations of the CYLD gene appear to play a role in the oncogenesis of tumors with cylindromatous features.

REFERENCES

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STORAGE

Store at -20° C. Repeated freezing and thawing should be minimized. Sample vial should be boiled once prior to use. Non-hazardous. No MSDS required.

CHROMOSOMAL LOCATION

Genetic locus: Cyld (mouse) mapping to 8 C3.

PRODUCT

cylindromatosis 1 (m): 293T Lysate represents a lysate of mouse cylindromatosis 1 transfected 293T cells and is provided as 100 µg protein in 200 µl SDS-PAGE buffer.

APPLICATIONS

cylindromatosis 1 (m): 293T Lysate is suitable as a Western Blotting positive control for mouse reactive cylindromatosis 1 antibodies. Recommended use: 10-20 µl per lane.

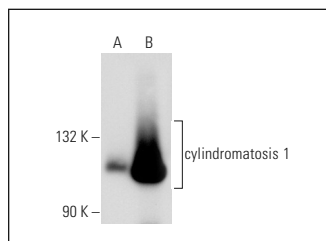
Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

cylindromatosis 1 (H-6): sc-137139. is recommended as a positive control antibody for Western Blot analysis of enhanced mouse cylindromatosis 1 expression in cylindromatosis 1 transfected 293T cells (starting dilution 1:100, dilution range 1:100-1:1,000).

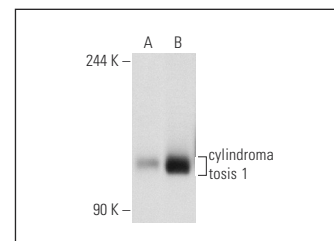
RECOMMENDED SUPPORT REAGENTS

To ensure optimal results, the following support reagents are recommended:
1) Western Blotting: use m-IgGκ BP-HRP: sc-516102 or m-IgGκ BP-HRP (Cruz Marker): sc-516102-CM (dilution range: 1:1000-1:10000), Cruz Marker™ Molecular Weight Standards: sc-2035, UltraCruz® Blocking Reagent: sc-516214 and Western Blotting Luminol Reagent: sc-2048.

DATA



cylindromatosis 1 (H-6): sc-137139. Western blot analysis of cylindromatosis 1 expression in non-transfected: sc-117752 (A) and mouse cylindromatosis 1 transfected: sc-119562 (B) 293T whole cell lysates.



cylindromatosis 1 (E-10): sc-74435. Western blot analysis of cylindromatosis 1 expression in non-transfected: sc-117752 (A) and mouse cylindromatosis 1 transfected: sc-119562 (B) 293T whole cell lysates.

RESEARCH USE

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

PROTOCOLS

See our web site at www.scbt.com for detailed protocols and support products.