SCAND2 (h): 293T Lysate: sc-113771



The Power to Question

BACKGROUND

SCAND2 (SCAN domain-containing protein 2) is a 306 amino acid nuclear protein that may play a role in the mechanism of transcriptional regulation. SCAND2 contains one SCAN box domain and, unlike most SCAN box domain-containing proteins, is devoid of a $\rm C_2H_2$ -type zinc finger domain. The SCAN box domain is a conserved leucine rich motif, approximately 60 amino acids in length, that participates in protein-protein interactions. The SCAND2 gene is a fusion gene created by the retropositioning of a PHD2 (also known as EGLN1) gene copy from chromosome 1 onto an ancestral SCAN zinc finger gene, followed by exon shuffling. The resulting SCAND2 gene product has an N-terminal SCAN domain and a C-terminus derived from the PHD2 gene. SCAND2 exists as 2 isoforms produced by alternative splicing.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: SCAND2P (human) mapping to 15q25.2.

PRODUCT

SCAND2 (h): 293T Lysate represents a lysate of human SCAND2 transfected 293T cells and is provided as 100 µg protein in 200 µl SDS-PAGE buffer.

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.

APPLICATIONS

SCAND2 (h): 293T Lysate is suitable as a Western Blotting positive control for human reactive SCAND2 antibodies. Recommended use: 10-20 μ l per lane

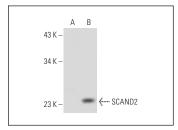
Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-tranfected 293T cells.

SCAND2 (D-19): sc-100975 is recommended as a positive control antibody for Western Blot analysis of enhanced human SCAND2 expression in SCAND2 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-lgG κ BP-HRP: sc-516102 or m-lgG κ BP-HRP (Cruz Marker): sc-516102-CM (dilution range: 1:1000-1:10000), Cruz MarkerTM Molecular Weight Standards: sc-2035, UltraCruz[®] Blocking Reagent: sc-516214 and Western Blotting Luminol Reagent: sc-2048.

DATA



SCAND2 (D-19): sc-100975. Western blot analysis of SCAND2 expression in non-transfected: sc-117752 (A) and human SCAND2 transfected: sc-113771 (B) 293T whole cell I westes

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.

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