

THAP7 (m): 293T Lysate: sc-124033

BACKGROUND

THAP7 (THAP domain-containing protein 7) is a 309 amino acid protein belonging to the thanatos-associated protein family. Ubiquitously expressed, with highest expression in testis, THAP7 contains one THAP domain, an approximately 90 amino acid residue domain which includes a C2CH signature, an AVPTIF box and several other conserved amino acids. In the nucleus, THAP7 associates with chromatin and binds preferentially to hypoacetylated (un-, mono- and diacetylated) Histones H3 and H4 through the C-terminal tail. In addition, THAP7 represses transcription by recruiting HDAC3 and N-CoR to promoters to deacetylate Histone H3. The gene encoding human THAP7 is localized to chromosome 22q11.2.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: Thap7 (mouse) mapping to 16 A3.

RESEARCH USE

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

PRODUCT

THAP7 (m): 293T Lysate represents a lysate of mouse THAP7 transfected 293T cells and is provided as 100 μ g protein in 200 μ l SDS-PAGE buffer.

APPLICATIONS

THAP7 (m): 293T Lysate is suitable as a Western Blotting positive control for mouse reactive THAP7 antibodies. Recommended use: 10-20 μ l per lane.

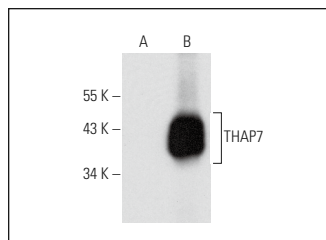
Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

THAP7 (F-7): sc-515496 is recommended as a positive control antibody for Western Blot analysis of enhanced mouse THAP7 expression in THAP7 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-IgG κ BP-HRP: sc-516102 or m-IgG κ 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



THAP7 (F-7): sc-515496. Western blot analysis of THAP7 expression in non-transfected: sc-117752 (A) and mouse THAP7 transfected: sc-124033 (B) 293T whole cell lysates.

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.

PROTOCOLS

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