

VPS72 (h): 293T Lysate: sc-175285

BACKGROUND

The mammalian TRRAP/TIP60-containing histone acetyltransferase (HAT) complex, which exists in *Drosophila melanogaster* and mammalian cells, is a complex that is responsible for various cellular processes, including DNA repair, transcriptional activation and apoptosis. Vacuolar protein sorting-associated protein 72 homolog (VPS72), also known as VPS72 or transcription factor-like 1, is a 364 amino acid subunit of the TRRAP/TIP60 HAT complex. VPS72 has also been identified as a subunit of a novel complex containing Snf2-related helicase SRCAP (SWI2/Snf2-related CBP activator protein). This SRCAP-containing complex is very similar to the *S. cerevisiae* SWR1 chromatin remodeling complex. The involvement of VPS72 in these complexes has suggested that VPS72 plays multiple roles in chromatin modification and remodeling in cells. VPS72 localizes to the nucleus and is phosphorylated upon DNA damage, most likely by ATM or ATR.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: VPS72 (human) mapping to 1q21.3.

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.

PRODUCT

VPS72 (h): 293T Lysate represents a lysate of human VPS72 transfected 293T cells and is provided as 100 µg protein in 200 µl SDS-PAGE buffer.

APPLICATIONS

VPS72 (h): 293T Lysate is suitable as a Western Blotting positive control for human reactive VPS72 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.

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.