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SANTA CRUZ BIOTECHNOLOGY, INC.

NAT-13 (m): 293T Lysate: sc-121943

BACKGROUND

Acetyltransferases and deacetylases are protein groups most often associated with oncogenesis and cell cycle regulation. NAT-13 (N-acetyltransferase 13), also known as NAA50 (N(α)-acetyltransferase 50, NatE catalytic subunit), MAK3, NAT5 (N-acetyltransferase 5) or SAN, is a 169 amino acid cytoplasmic protein belonging to the acetyltransferase family and GNAT subfamily. Existing as two alternatively spliced isoforms, NAT-13 interacts with NARG1 and ARD1 as a possible catalytic component of the ARD1-NARG1 complex. NAT-13 is also known to interact with MAK10 and is encoded by a gene that maps to human chromosome 3q13.2.

REFERENCES

1. Polevoda, B. and Sherman, F. 2003. N-terminal acetyltransferases and sequence requirements for N-terminal acetylation of eukaryotic proteins. J. Mol. Biol. 325: 595-622.
2. Arnesen, T., Anderson, D., Torsvik, J., Halseth, H.B., Varhaug, J.E. and Lillehaug, J.R. 2006. Cloning and characterization of hNAT5/hSAN: an evolutionarily conserved component of the NatA protein N-α-acetyltransferase complex. Gene 371: 291-295.
3. Hou, F., Chu, C.W., Kong, X., Yokomori, K. and Zou, H. 2007. The acetyltransferase activity of San stabilizes the mitotic cohesin at the centromeres in a shugoshin-independent manner. J. Cell Biol. 177: 587-597.
4. Online Mendelian Inheritance in Man, OMIM™. 2007. Johns Hopkins University, Baltimore, MD. MIM Number: 610834. World Wide Web URL: http://www.ncbi.nlm.nih.gov/omim/
5. Polevoda, B., Arnesen, T. and Sherman, F. 2009. A synopsis of eukaryotic Nα-terminal acetyltransferases: nomenclature, subunits and substrates. BMC Proc. 3: S2.
6. Starheim, K.K., Gromyko, D., Evjenth, R., Ryningen, A., Varhaug, J.E., Lillehaug, J.R. and Arnesen, T. 2009. Knockdown of human N α-terminal acetyltransferase complex C leads to p53-dependent apoptosis and aberrant human ARL8B localization. Mol. Cell. Biol. 29: 3569-3581.

CHROMOSOMAL LOCATION

Genetic locus: Naa50 (mouse) mapping to 16 B4.

PRODUCT

NAT-13 (m): 293T Lysate represents a lysate of mouse NAT-13 transfected 293T cells and is provided as 100 µg protein in 200 µl SDS-PAGE buffer.

APPLICATIONS

NAT-13 (m): 293T Lysate is suitable as a Western Blotting positive control for mouse reactive NAT-13 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.

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.

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.