SANTA CRUZ BIOTECHNOLOGY, INC.

ZADH2 (h3): 293T Lysate: sc-117388

SANTA CRUZ BIOTECHNOLOGY

The Power to Question

BACKGROUND

ZADH2 (zinc binding alcohol dehydrogenase domain containing 2) is a 377 amino acid protein that belongs to the zinc-containing alcohol dehydrogenase family and is encoded by a gene which maps to human chromosome 18. Chromosome 18 houses over 300 protein-coding genes and contains nearly 76 million bases. There are a variety of diseases associated with defects in chromosome 18-localized genes, some of which include trisomy 18 (also known as Edwards syndrome), Niemann-Pick disease, hereditary hemorrhagic telangiectasia, erythropoietic protoporphyria and follicular lymphomas.

REFERENCES

1. Yoshikawa, T., Sanders, A.R., Esterling, L.E., Overhauser, J., Garnes, J.A., Lennon, G., Grewal, R. and Detera-Wadleigh, S.D. 1997. Isolation of chromosome 18-specific brain transcripts as positional candidates for bipolar disorder. Am. J. Med. Genet. 74: 140-149.
2. Esterling, L.E., Cox Matise, T., Sanders, A.R., Yoshikawa, T., Overhauser, J., Gershon, E.S., Moskowitz, M.T. and Detera-Wadleigh, S.D. 1997. An integrated physical map of 18p11.2: a susceptibility region for bipolar disorder. Mol. Psychiatry 2: 501-504.
3. Petek, E., Pertl, B., Tschernigg, M., Bauer, M., Mayr, J., Wagner, K. and Kroisel, P.M. 2003. Characterisation of a 19-year-old "long-term survivor" with Edwards syndrome. Genet. Couns. 14: 239-244.
4. Grosso, S., Pucci, L., Di Bartolo, R.M., Gobbi, G., Bartalini, G., Anichini, C., Scarinci, R., Balestri, M., Farnetani, M.A., Cioni, M., Morgese, G. and Balestri, P. 2005. Chromosome 18 aberrations and epilepsy: a review. Am. J. Med. Genet. A 134A: 88-94.
5. Nusbaum, C., Zody, M.C., Borowsky, M.L., Kamal, M., Kodira, C.D., Taylor, T.D., Whittaker, C.A., Chang, J.L., Cuomo, C.A., Dewar, K., FitzGerald, M.G., Yang, X., Abouelleil, A., Allen, N.R., Anderson, S., Bloom, T., Bugalter, B., Butler, J., Cook, A., DeCaprio, D., Engels, R., Garber, M., Gnirke, A., et al. 2005. DNA sequence and analysis of human chromosome 18. Nature 437: 551-555.
6. Pickard, B.S., Malloy, M.P., Clark, L., Lehellard, S., Ewald, H.L., Mors, O., Porteous, D.J., Blackwood, D.H. and Muir, W.J. 2005. Candidate psychiatric illness genes identified in patients with pericentric inversions of chromosome 18. Psychiatr. Genet. 15: 37-44.

CHROMOSOMAL LOCATION

Genetic locus: ZADH2 (human) mapping to 18q22.3.

PRODUCT

ZADH2 (h3): 293T Lysate represents a lysate of human ZADH2 transfected 293T cells and is provided as 100 µg protein in 200 µl SDS-PAGE buffer.

APPLICATIONS

ZADH2 (h3): 293T Lysate is suitable as a Western Blotting positive control for human reactive ZADH2 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.