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CASC4 (h): 293T Lysate: sc-116811

BACKGROUND

CASC4 (cancer susceptibility candidate 4), also known as H63, has been identified as a gene associated with HER-2/neu overexpression. Consisting of 433 amino acids and existing as 3 alternatively spliced isoforms, CASC4 is a single-pass type II membrane protein belonging to the GOLM1/CASC4 family. The gene encoding CASC4 maps to human chromosome 15, which houses over 700 genes and comprises nearly 3% of the human genome. Angelman syndrome, Prader-Willi syndrome, Tay-Sachs disease and Marfan syndrome are all associated with defects in chromosome 15-localized genes. Angelman and Prader-Willi syndromes are associated with loss of function or deletion of genes in the 15q11-q13 region. Tay-Sachs disease and Marfan syndrome are associated with chromosome 15 through the HEXA and FBN1 genes, respectively.

REFERENCES

- Hurowitz, G.I., Silver, J.M., Brin, M.F., Williams, D.T. and Johnson, W.G. 1993. Neuropsychiatric aspects of adult-onset Tay-Sachs disease: two case reports with several new findings. *J. Neuropsychiatry Clin. Neurosci.* 5: 30-36.
- Oh, J.J., Grosshans, D.R., Wong, S.G. and Slamon, D.J. 1999. Identification of differentially expressed genes associated with HER-2/neu overexpression in human breast cancer cells. *Nucleic Acids Res.* 27: 4008-4017.
- Scheer, M., Prange, W., Petmecky, K., Schirmacher, P., Zöller, J.E. and Kübler, A.C. 2003. Evaluation of HER-2/neu amplification/overexpression in OSCC with fluorescence *in situ* hybridization (FISH) and immunohistochemistry. *Mund Kiefer Gesichtschir.* 7: 138-145.
- Sato, T., Peiper, M., Heinecke, A., Zurakowski, D., Eisenberger, C.F., Hosch, S., Knoefel, W.T. and Izbicki, J.R. 2003. Expression of HER-2/neu does not correlate with survival in soft tissue sarcoma. *Onkologie* 26: 268-271.
- Midla, G.S. 2008. Diagnosis and management of patients with Marfan syndrome. *JAAPA* 21: 21-25.
- Dan, B. 2009. Angelman syndrome: current understanding and research prospects. *Epilepsia* 50: 2331-2339.
- Ferrer-Bolufer, I., Dalmau, J., Quiroga, R., Oltra, S., Orellana, C., Monfort, S., Roselló, M., De La Osa, A. and Martínez, F. 2009. Tyrosinemia type 1 and Angelman syndrome due to paternal uniparental isodisomy 15. *J. Inherit. Metab. Dis.* 32: S349-S353.
- Wawrzik, M., Unmehopa, U.A., Swaab, D.F., van de Nes, J., Buiting, K. and Horsthemke, B. 2010. The C15orf2 gene in the Prader-Willi syndrome region is subject to genomic imprinting and positive selection. *Neurogenetics* 11: 153-161.

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.

CHROMOSOMAL LOCATION

Genetic locus: CASC4 (human) mapping to 15q15.3.

PRODUCT

CASC4 (h): 293T Lysate represents a lysate of human CASC4 transfected 293T cells and is provided as 100 µg protein in 200 µl SDS-PAGE buffer.

APPLICATIONS

CASC4 (h): 293T Lysate is suitable as a Western Blotting positive control for human reactive CASC4 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.