

TACC3 (m2): 293T Lysate: sc-123891

BACKGROUND

TACC1 (transforming acidic coiled coil gene 1) is one of three TACC family members, which are thought to be involved in breast tumorigenesis. TACC1 is located on 8p11, in a chromosomal region that is amplified in approximately 15% of all breast tumor samples. The short arm of chromosome 8 also contains FGFR1, whose expression is enhanced in most breast cancer tumors. TACC family members TACC1, TACC2 and TACC3 map very closely to the corresponding FGFR1, FGFR2, FGFR3 genes on chromosomes 4, 8 and 10. Subsequently, since they are phylogenetically related, it is proposed that TACC and FGFR have similar roles in cell growth and differentiation. Also, TACC1 contains a conserved C-terminal region as in the *Drosophila* homolog D-TACC. D-TACC has been shown to be necessary for normal spindle function, and the mammalian TACC proteins appears to interact with centrosomes and microtubules in a similar manner.

REFERENCES

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5. Still, I.H., Vince, P. and Cowell, J.K. 1999. The third member of the transforming acidic coiled coil-containing gene family, TACC3, maps in 4p16, close to translocation breakpoints in multiple myeloma, and is upregulated in various cancer cell lines. *Genomics* 58: 165-170.

CHROMOSOMAL LOCATION

Genetic locus: Tacc3 (mouse) mapping to 5 B2.

PRODUCT

TACC3 (m): 293T Lysate represents a lysate of mouse TACC3 transfected 293T cells and is provided as 100 µg protein in 200 µl SDS-PAGE buffer.

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.

APPLICATIONS

TACC3 (m): 293T Lysate is suitable as a Western Blotting positive control for mouse reactive TACC3 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.