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- Mindermengenzuschlag
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TDE1 (h): 293T Lysate: sc-171476

BACKGROUND

TDE1, tumor differentially expressed protein 1, is a multi-pass membrane protein also known as serine incorporator 3. Also found on the membranes of the Golgi apparatus within cells, TDE1 is highly expressed in neuronal populations but is also found in thymus, kidney, liver and testis. Expression levels of TDE1 in tumors can be as much as tenfold the amount found in normal tissue of the same type. This increased expression implicates TDE1 as being involved in the cellular transformation from normal to malignant tissue. It is believed TDE1 contributes to oncogenesis by partially protecting cells from serum starvation and etoposide-induced apoptosis. The mechanism through which TDE1 protects cells is poorly understood, but may involve aberrant methylation of TDE1 complexes.

REFERENCES

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7. Bossolasco, M., et al. 2006. Human TDE1, a TDE1/TMS family member, inhibits apoptosis *in vitro* and stimulates *in vivo* tumorigenesis. *Oncogene* 25: 4549-4558.
8. Shou, Y., et al. 2006. Unique risk factors for insertional mutagenesis in a mouse model of XSCID gene therapy. *Proc. Natl. Acad. Sci. USA* 103: 11730-11735.
9. Ariizumi, T., et al. 2008. Ultrastructural characterization of exine development of the transient defective exine 1 mutant suggests the existence of a factor involved in constructing reticulate exine architecture from sporopollenin aggregates. *Plant Cell Physiol.* 49: 58-67.

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: SERINC3 (human) mapping to 20q13.12.

PRODUCT

TDE1 (h): 293T Lysate represents a lysate of human TDE1 transfected 293T cells and is provided as 100 µg protein in 200 µl SDS-PAGE buffer.

APPLICATIONS

TDE1 (h): 293T Lysate is suitable as a Western Blotting positive control for human reactive TDE1 antibodies.

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.