



DMBT1 (h): 293T Lysate: sc-112667

BACKGROUND

As human tumors progress to advanced stages, one genetic alteration that occurs at high frequency is a loss of heterozygosity (LOH) at chromosome 10. Mapping of homozygous deletions on this chromosome led to the isolation of the PTEN (also designated MMAC1 and TEP1), DMBT1 (for deleted in malignant brain tumors 1) and LGI1 (for leucine-rich gene-glioma inactivated 1) candidate tumor suppressor genes. The PTEN gene exhibits a high frequency of mutations in human glioblastomas and is also mutated in other cancers, including sporadic brain, breast, kidney and prostate cancers. Reduced levels of DMBT1 mRNA have been noted in gastrointestinal and esophageal cancers as well as in gliomas. LGI1, which is highly specific for neural tissues, shares homology with several transmembrane and extracellular proteins that function as receptors and adhesion proteins.

REFERENCES

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5. Mollenhauer, J., et al. 1997. DMBT1, a new member of the SRCR super-family, on chromosome 10q25.3-q26.1 is deleted in malignant brain tumours. *Nat. Genet.* 17: 32-39.
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8. Munoz, J., et al. 2006. Silencing of DMBT1 in neuroblastoma cell lines is not due to methylation of CCWGG motifs on its promoter. *Neoplasma*. 53: 15-18.
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CHROMOSOMAL LOCATION

Genetic locus: DMBT1 (human) mapping to 10q26.13.

PRODUCT

DMBT1 (h): 293T Lysate represents a lysate of human DMBT1 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

DMBT1 (h): 293T Lysate is suitable as a Western Blotting positive control for human reactive DMBT1 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.