



Membralin (h2): 293T Lysate: sc-170525

BACKGROUND

The gene encoding human Membralin, C19orf6, localizes to chromosome 19p13.3. It contains 11 exons, which encode at least two splice variants in human cancer. Membralin is a multi-pass membrane protein and exists either as a long or short form. The long form of Membralin comprises all 11 exons, while the short form contains all exons except exon 10. Expression of different Membralin isoforms depends on tissue type. The long form is expressed in ovarian and colorectal carcinomas, whereas the short form is expressed in breast or pancreatic carcinomas. Because Membralin expression in ovarian carcinomas is highest in serous carcinomas as compared to surface epithelium carcinomas, expression of Membralin may be useful as a novel tumor-associated marker in ovarian serous carcinomas.

REFERENCES

1. Andersson, O. and von Euler, G. 2003. Characterization and expression of the gene encoding Membralin, an evolutionary conserved protein expressed in the central nervous system. *Brain Res. Gene Expr. Patterns* 1: 205-212.
2. Bendel, O., Meijer, B., Hurd, Y. and von Euler, G. 2005. Cloning and expression of the human NMDA receptor subunit NR3B in the adult human hippocampus. *Neurosci. Lett.* 377: 31-36.
3. Chen, Y.C., Davidson, B., Cheng, C.C., Maitra, A., Giuntoli, R.L., Hruban, R.H., Wang, T.L. and Shih, I.M. 2005. Identification and characterization of Membralin, a novel tumor-associated gene, in ovarian carcinoma. *Biochim. Biophys. Acta* 1730: 96-102.

CHROMOSOMAL LOCATION

Genetic locus: C19orf6 (human) mapping to 19p13.3.

PRODUCT

Membralin (h2): 293T Lysate represents a lysate of human Membralin transfected 293T cells and is provided as 100 µg protein in 200 µl SDS-PAGE buffer.

APPLICATIONS

Membralin (h2): 293T Lysate is suitable as a Western Blotting positive control for human reactive Membralin 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.