



PRMT8 (h2): 293 Lysate: sc-174060

BACKGROUND

A class of proteins termed type 1 protein arginine N-methyltransferase (PRMT) enzymes contribute to posttranslational modification of RNA-binding proteins, but differ in substrate specificities, oligomerization properties and subcellular localization. PRMT8, also known as HRMT1L3 or HRMT1L4 (heterogeneous nuclear ribonucleoprotein methyltransferase-like protein 4), is a distinct member of the type 1 PRMT family with tissue-specific expression and plasma membrane localization. PRMT8 is specifically expressed in the brain where it functions as an arginine methyltransferase with a possible role in neuronal differentiation. It is most closely related to PRMT1 and may have arisen through a gene duplication. PRMT8 can heterodimerize with PRMT1 and has similar substrate preference. Distinguishing PRMT8 from other PRMT enzymes is its unique N-terminal myristoylation motif, which is responsible for its plasma membrane localization.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: PRMT8 (human) mapping to 12p13.32.

PRODUCT

PRMT8 (h2): 293 Lysate represents a lysate of human PRMT8 transfected 293 cells and is provided as 100 µg protein in 200 µl SDS-PAGE buffer.

APPLICATIONS

PRMT8 (h2): 293 Lysate is suitable as a Western Blotting positive control for human reactive PRMT8 antibodies. Recommended use: 10-20 µl per lane.

Control 293 Lysate: sc-110760 is available as a Western Blotting negative control lysate derived from non-transfected 293 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.