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PHF2 (m): 293T Lysate: sc-122538

BACKGROUND

PHF2 (PHD finger protein 2), also known as JHDM1E (jumonji C domain-containing histone demethylase 1E) or GRC5, is a 1,101 amino acid protein belonging to the PHD finger protein family. Members of the PHD finger protein family function as transcriptional regulators that affect gene expression by modulating chromatin structure. Expressed in a wide variety of tissues, PHF2 localizes to the nucleus and contains one PHD-type zinc finger and one JMJC domain, suggesting a possible role for PHF2 in transcription regulation and chromatin remodeling. The gene encoding PHF2 lies in the candidate region for hereditary sensory neuropathy type I (HSN1), a disorder characterized by sensory dysfunction. PHF2 exists as two isoforms produced by alternative splicing, designated isoform 1 and 2 respectively.

REFERENCES

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2. Hasenpusch-Theil, K., Chadwick, B.P., Theil, T., Heath, S.K., Wilkinson, D.G. and Frischauf, A.M. 1999. PHF2, a novel PHD finger gene located on human chromosome 9q22. Mamm. Genome 10: 294-298.
3. Online Mendelian Inheritance in Man, OMIM™. 2002. Johns Hopkins University, Baltimore, MD. MIM Number: 604351. World Wide Web URL: <http://www.ncbi.nlm.nih.gov/omim/>
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CHROMOSOMAL LOCATION

Genetic locus: Phf2 (mouse) mapping to 13 A5.

PRODUCT

PHF2 (m): 293T Lysate represents a lysate of mouse PHF2 transfected 293T cells and is provided as 100 µg protein in 200 µl SDS-PAGE buffer.

APPLICATIONS

PHF2 (m): 293T Lysate is suitable as a Western Blotting positive control for mouse reactive PHF2 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.