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MIZIP (m): 293T Lysate: sc-127156

BACKGROUND

Zinc-finger proteins contain DNA-binding domains and have a wide variety of functions, most of which encompass some form of transcriptional activation or repression. MIZIP (MCH-R1-interacting zinc finger protein), also known as ZMYND19 (zinc finger MYND domain-containing protein 19), is a 227 amino acid protein that localizes to both the cytoplasm and to the cell membrane and contains one MYND-type zinc finger. Expressed in stomach, brain, liver, testis, heart, kidney and skeletal muscle, MIZIP interacts with MCH-1R and is thought to regulate MCH-1R signaling. Human MIZIP shares 100% sequence identity with its mouse and rat counterparts, suggesting a conserved role between species. The gene encoding MIZIP maps to human chromosome 9, which houses over 900 genes and comprises nearly 4% of the human genome.

REFERENCES

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3. Humphray, S.J., Oliver, K., Hunt, A.R., Plumb, R.W., Loveland, J.E., Howe, K.L., Andrews, T.D., Searle, S., Hunt, S.E., Scott, C.E., Jones, M.C., Ainscough, R., Almeida, J.P., Ambrose, K.D., Ashwell, R.I., et al. 2004. DNA sequence and analysis of human chromosome 9. *Nature* 429: 369-374.
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5. Francke, F., Richter, D. and Bächner, D. 2005. Immunohistochemical distribution of MIZIP and its co-expression with the Melanin-concentrating hormone receptor 1 in the adult rodent brain. *Brain Res. Mol. Brain Res.* 139: 31-41.

CHROMOSOMAL LOCATION

Genetic locus: Zmynd19 (mouse) mapping to 2 A3.

PRODUCT

MIZIP (m): 293T Lysate represents a lysate of mouse MIZIP transfected 293T cells and is provided as 100 μ g protein in 200 μ l SDS-PAGE buffer.

APPLICATIONS

MIZIP (m): 293T Lysate is suitable as a Western Blotting positive control for mouse reactive MIZIP antibodies. Recommended use: 10-20 μ l per lane.

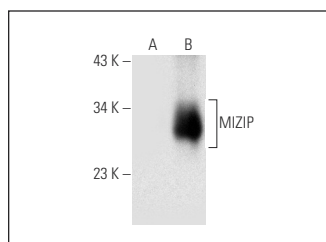
Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

MIZIP (E-4): sc-398514 is recommended as a positive control antibody for Western Blot analysis of enhanced mouse MIZIP expression in MIZIP transfected 293T cells (starting dilution 1:100, dilution range 1:100-1:1,000).

RECOMMENDED SUPPORT REAGENTS

To ensure optimal results, the following support reagents are recommended:
1) Western Blotting: use m-IgG κ BP-HRP: sc-516102 or m-IgG κ BP-HRP (Cruz Marker): sc-516102-CM (dilution range: 1:1000-1:10000), Cruz Marker™ Molecular Weight Standards: sc-2035, UltraCruz® Blocking Reagent: sc-516214 and Western Blotting Luminol Reagent: sc-2048.

DATA



MIZIP (E-4): sc-398514. Western blot analysis of MIZIP expression in non-transfected: sc-117752 (A) and mouse MIZIP transfected: sc-127156 (B) 293T whole cell lysates.

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.