MOSPD1 (m): 293T Lysate: sc-121721



The Power to Question

BACKGROUND

MOSPD1 (motile sperm domain-containing protein 1) is a 213 amino acid multi-pass membrane protein that contains one MSP domain and exists as 3 alternatively spliced isoforms. The gene encoding MOSPD1 maps to human chromosome Xq26.3. The X and Y chromosomes are the human sex chromosomes. Chromosome X consists of about 153 million base pairs and nearly 1,000 genes. The combination of an X and Y chromosome lead to normal male development while two copies of X lead to normal female development. There are a number of conditions related to an unusual number and combination of sex chromosomes being inherited, including Turner's syndrome, Klinefelter's syndrome and Triple X syndrome. Color blindness, hemophilia, and Duchenne muscular dystrophy are well known X chromosome-linked conditions which affect males more frequently as males carry a single X chromosome.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: Mospd1 (mouse) mapping to X A5.

PRODUCT

MOSPD1 (m): 293T Lysate represents a lysate of mouse MOSPD1 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.

PROTOCOLS

See our web site at www.scbt.com for detailed protocols and support products.

APPLICATIONS

MOSPD1 (m): 293T Lysate is suitable as a Western Blotting positive control for mouse reactive MOSPD1 antibodies. Recommended use: 10-20 μ l per lane

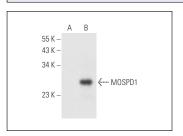
Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

MOSPD1 (G-7): sc-514079 is recommended as a positive control antibody for Western Blot analysis of enhanced mouse MOSPD1 expression in MOSPD1 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-lgG κ BP-HRP: sc-516102 or m-lgG κ BP-HRP (Cruz Marker): sc-516102-CM (dilution range: 1:1000-1:10000), Cruz MarkerTM Molecular Weight Standards: sc-2035, UltraCruz® Blocking Reagent: sc-516214 and Western Blotting Luminol Reagent: sc-2048.

DATA



MOSPD1 (G-7): sc-514079. Western blot analysis of MOSPD1 expression in non-transfected: sc-117752 (A) and mouse MOSPD1 transfected: sc-121721 (B) 293T whole cell lysates.

RESEARCH USE

For research use only, not for use in diagnostic procedures.