ZMAT1 (K-18): sc-102178



The Power to Question

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. Zinc finger matrin-type protein 1 (ZMAT1) is a 638 amino acid protein that contains three matrin-type zinc fingers. The matrin-type zinc finger, which is very similar in structure to the classical DNA-binding $\rm C_2H_2$ zinc finger, was first identified in the protein matrin-3. It has also been identified in several spliceosome RNA-binding proteins, suggesting a role in pre-mRNA binding. ZMAT1 is localized to the nucleus, and alternative splicing events produce two isoforms of this protein.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: ZMAT1 (human) mapping to Xq22.1.

SOURCE

ZMAT1 (K-18) is a purified rabbit polyclonal antibody raised against ZMAT1 of human origin.

PRODUCT

Each vial contains 50 μg lgG in 500 μl PBS with < 0.1% sodium azide, 0.1% gelatin and < 0.02% sucrose.

STORAGE

Store at 4° C, **DO NOT FREEZE**. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

PROTOCOLS

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

APPLICATIONS

ZMAT1 (K-18) is recommended for detection of ZMAT1 of human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 μg per 100-500 μg of total protein (1 ml of cell lysate)] and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

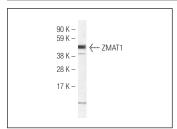
Suitable for use as control antibody for ZMAT1 siRNA (h): sc-91107, ZMAT1 shRNA Plasmid (h): sc-91107-SH and ZMAT1 shRNA (h) Lentiviral Particles: sc-91107-V.

Molecular Weight of ZMAT1: 75 kDa.

RECOMMENDED SECONDARY REAGENTS

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use goat anti-rabbit IgG-HRP: sc-2004 (dilution range: 1:2000-1:100,000) or Cruz Marker™ compatible goat anti-rabbit IgG-HRP: sc-2030 (dilution range: 1:2000-1:5000), Cruz Marker™ Molecular Weight Standards: sc-2035, TBS Blotto A Blocking Reagent: sc-2333 and Western Blotting Luminol Reagent: sc-2048. 2) Immunoprecipitation: use Protein A/G PLUS-Agarose: sc-2003 (0.5 ml agarose/2.0 ml).

DATA



ZMAT1 (K-18): sc-102178. Western blot analysis of

RESEARCH USE

For research use only, not for use in diagnostic procedures