

ZFP91 (H-19): sc-102172

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. The majority of zinc-finger proteins contain a Krueppel-type DNA binding domain and a KRAB domain, which is thought to interact with KAP1, thereby recruiting histone modifying proteins. ZNF91, also known as PZF or FKSG11, is a member of the Krueppel C2H2-type zinc-finger family of transcriptional regulators. Localized to the nucleus, ZNF91 is expressed ubiquitously, with particularly high levels in testis. Two isoforms (namely isoform 1 and isoform 2) of ZNF91 exist as a result of alternative splicing events, and isoform 2 is testis-specific. ZNF91 has been identified to play a role in transcriptional regulation, cell proliferation and anti-apoptotic events.

REFERENCES

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STORAGE

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

CHROMOSOMAL LOCATION

Genetic locus: ZFP91 (human) mapping to 11q12.1.

SOURCE

ZFP91 (H-19) is an affinity purified rabbit polyclonal antibody raised against a peptide mapping raised against ZFP91 of human origin of ZFP91 of human origin.

PRODUCT

Each vial contains 100 μ g IgG in 1.0 ml of PBS with < 0.1% sodium azide, 0.1% gelatin and < 0.02% sucrose.

APPLICATIONS

ZFP91 (H-19) is recommended for detection of ZFP91 of human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 μ g per 100-500 μ g 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 ZFP91 siRNA (h): sc-106726, ZFP91 shRNA Plasmid (h): sc-106726-SH and ZFP91 shRNA (h) Lentiviral Particles: sc-106726-V.

Molecular Weight of ZFP91: 63 kDa.

Positive Controls: Jurkat whole cell lysate: sc-2204.

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).

RESEARCH USE

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

PROTOCOLS

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