

# ZFP91 (D-12): sc-132880



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. 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 C<sub>2</sub>H<sub>2</sub>-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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## CHROMOSOMAL LOCATION

Genetic locus: ZFP91 (human) mapping to 11q12.1; Zfp91 (mouse) mapping to 19 A.

## SOURCE

ZFP91 (D-12) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of ZFP91 of mouse origin.

## PRODUCT

Each vial contains 200  $\mu$ g IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-132880 P, (100  $\mu$ g peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

## APPLICATIONS

ZFP91 (D-12) is recommended for detection of ZFP91 isoforms 1 and 2 of mouse, rat and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000); non cross-reactive with other ZFP family members.

Suitable for use as control antibody for ZFP91 siRNA (h): sc-106726, ZFP91 siRNA (m): sc-155592, ZFP91 shRNA Plasmid (h): sc-106726-SH, ZFP91 shRNA Plasmid (m): sc-155592-SH, ZFP91 shRNA (h) Lentiviral Particles: sc-106726-V and ZFP91 shRNA (m) Lentiviral Particles: sc-155592-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 donkey anti-goat IgG-HRP: sc-2020 (dilution range: 1:2000-1:100,000) or Cruz Marker™ compatible donkey anti-goat IgG-HRP: sc-2033 (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) Immunofluorescence: use donkey anti-goat IgG-FITC: sc-2024 (dilution range: 1:100-1:400) or donkey anti-goat IgG-TR: sc-2783 (dilution range: 1:100-1:400) with UltraCruz™ Mounting Medium: sc-24941.

## STORAGE

Store at 4° C, **\*\*DO NOT FREEZE\*\***. Stable for one year from the date of shipment. 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](http://www.scbt.com) or our catalog for detailed protocols and support products.