



## ZFP41 (G-13): sc-87512

### 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 Krüppel-type DNA binding domain and a KRAB domain, which is thought to interact with KAP1, thereby recruiting histone modifying proteins. ZFP41 (Zinc finger protein 41 homolog) is a 198 amino acid nuclear protein that contains four C<sub>2</sub>H<sub>2</sub>-type zinc fingers. ZFP41 is a putative DNA-binding regulatory protein that may be associated with meiosis in spermatogenesis. The gene encoding ZFP41 maps to human chromosome 8, which is made up of nearly 146 million bases and encodes about 800 genes. Chromosome 8 is also associated with Pfeiffer syndrome, congenital hypothyroidism and Waardenburg syndrome.

### REFERENCES

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### CHROMOSOMAL LOCATION

Genetic locus: ZFP41 (human) mapping to 8q24.3; Zfp41 (mouse) mapping to 15 D3.

### SOURCE

ZFP41 (G-13) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of ZFP41 of human origin.

### 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.

### 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-87512 P, (100  $\mu$ g peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

Available as TransCruz reagent for Gel Supershift and ChIP applications, sc-87512 X, 100  $\mu$ g/0.1 ml.

### APPLICATIONS

ZFP41 (G-13) is recommended for detection of ZFP41 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 ZFP41 siRNA (h): sc-77725, ZFP41 siRNA (m): sc-155556, ZFP41 shRNA Plasmid (h): sc-77725-SH, ZFP41 shRNA Plasmid (m): sc-155556-SH, ZFP41 shRNA (h) Lentiviral Particles: sc-77725-V and ZFP41 shRNA (m) Lentiviral Particles: sc-155556-V.

ZFP41 (G-13) X TransCruz antibody is recommended for Gel Supershift and ChIP applications.

Molecular Weight of ZFP41: 23 kDa.

### 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.

### PROTOCOLS

See our web site at [www.scbt.com](http://www.scbt.com) or our catalog for detailed protocols and support products.