

# ZFP11 (S-14): sc-249627

## 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. ZFP11 (zinc finger protein 11), also known as Krox-6, is a 647 amino acid nuclear protein that contains 21 C<sub>2</sub>H<sub>2</sub>-type zinc fingers. The human homolog to ZFP11, ZNF546 (zinc finger protein 546), is a zinc finger protein belonging to the Krüppel C<sub>2</sub>H<sub>2</sub>-type zinc-finger protein family. Localizing to the nucleus, ZNF546 contains 22 C<sub>2</sub>H<sub>2</sub>-type zinc fingers and one KRAB domain, suggesting a role in transcriptional regulation. The gene encoding ZFP546 maps to human chromosome 19. Peutz-Jeghers syndrome, spinocerebellar ataxia type 6, the stroke disorder CADASIL, hypercholesterolemia and Insulin-dependent diabetes have been linked to chromosome 19.

## REFERENCES

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## CHROMOSOMAL LOCATION

Genetic locus: Zfp11 (mouse) mapping to 5 G1.3.

## SOURCE

ZFP11 (S-14) is an affinity purified goat polyclonal antibody raised against a peptide mapping at the N-terminus of ZFP11 of mouse origin.

## PRODUCT

Each vial contains 200 µg IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-249627 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

## APPLICATIONS

ZFP11 (S-14) is recommended for detection of ZFP11 of mouse and rat 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).

Suitable for use as control antibody for ZFP11 siRNA (m): sc-155526, ZFP11 shRNA Plasmid (m): sc-155526-SH and ZFP11 shRNA (m) Lentiviral Particles: sc-155526-V.

Molecular Weight of ZFP11: 76 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.

## 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.