

# ZNF193 (S-19): sc-244762

## 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. ZNF193 (zinc finger protein 193), also known as cell proliferation-inducing gene 12 protein, PRD51 or ZSCAN9 (zinc finger and SCAN domain-containing protein 9), is a 394 amino acid nuclear protein implicated in transcriptional regulation. A member of the krueppel C<sub>2</sub>H<sub>2</sub>-type zinc-finger protein family, ZNF193 contains one SCAN box domain and five C<sub>2</sub>H<sub>2</sub>-type zinc fingers. The gene encoding ZNF193 maps to human chromosome 6p22.1.

## REFERENCES

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3. Lee, P.L., Gelbart, T., West, C., Adams, M., Blackstone, R. and Beutler, E. 1997. Three genes encoding zinc finger proteins on human chromosome 6p21.3: members of a new subclass of the Krüppel gene family containing the conserved SCAN box domain. *Genomics* 43: 191-201.
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## CHROMOSOMAL LOCATION

Genetic locus: ZNF193 (human) mapping to 6p22.1.

## SOURCE

ZNF193 (S-19) is an affinity purified goat polyclonal antibody raised against a peptide mapping near the N-terminus of ZNF193 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.

## 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-244762 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

## APPLICATIONS

ZNF193 (S-19) is recommended for detection of ZNF193 of 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 ZNF family members.

Suitable for use as control antibody for ZNF193 siRNA (h): sc-95350, ZNF193 shRNA Plasmid (h): sc-95350-SH and ZNF193 shRNA (h) Lentiviral Particles: sc-95350-V.

Molecular Weight of ZNF193: 46 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.

## 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.