



## ZNF569 (N-20): sc-79382

### 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. ZNF569 (zinc finger protein 569), also known as ZAP1, is a 686 amino acid member of the Krüppel C<sub>2</sub>H<sub>2</sub>-type zinc finger protein family and is thought to be involved in transcriptional regulation. Localized to the nucleus, ZNF569 contains one KRAB domain and 18 C<sub>2</sub>H<sub>2</sub>-type zinc fingers through which it may convey DNA, RNA and protein binding capabilities.

### REFERENCES

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### CHROMOSOMAL LOCATION

Genetic locus: ZNF569 (human) mapping to 19q13.12.

### 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.

### SOURCE

ZNF569 (N-20) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of ZNF569 of human 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-79382 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

### APPLICATIONS

ZNF569 (N-20) is recommended for detection of ZNF569 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).

Suitable for use as control antibody for ZNF569 siRNA (h): sc-63253, ZNF569 shRNA Plasmid (h): sc-63253-SH and ZNF569 shRNA (h) Lentiviral Particles: sc-63253-V.

Molecular Weight of ZNF569: 80 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.