

# ZNF79 (N-17): sc-324784



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 Krüppel-type DNA binding domain and a KRAB domain, which is thought to interact with KAP1, thereby recruiting histone modifying proteins. ZNF79 (zinc finger protein 79), also known as ZNFpT7 or pT7, is a 498 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, ZNF79 contains one KRAB domain and 11 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: ZNF79 (human) mapping to 9q33.3.

## SOURCE

ZNF79 (N-17) is an affinity purified goat polyclonal antibody raised against a peptide mapping near the N-terminus of ZNF79 of human origin.

## RESEARCH USE

For research use only, not for use in diagnostic procedures.

## 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-324784 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

## APPLICATIONS

ZNF79 (N-17) is recommended for detection of ZNF79 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 zinc finger proteins.

Suitable for use as control antibody for ZNF79 siRNA (h): sc-92812, ZNF79 shRNA Plasmid (h): sc-92812-SH and ZNF79 shRNA (h) Lentiviral Particles: sc-92812-V.

Molecular Weight of ZNF79: 55 kDa.

Positive Controls: HEL 92.1.7 cell lysate: sc-2270, K-562 whole cell lysate: sc-2203 or SH-SY5Y cell lysate: sc-3812.

## 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.

## PROTOCOLS

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