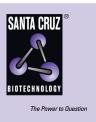
# SANTA CRUZ BIOTECHNOLOGY, INC.

# ZNF8 (S-20): sc-249804



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. ZNF8 (zinc finger protein 8) is a 575 amino acid protein that belongs to the Krüppel  $C_2H_2$ -type zinc-finger protein family and contains 7  $C_2H_2$ -type zinc fingers and a KRAB domain. Localizing to the nucleus and ubiquitously expressed, ZNF8 is thought to play a role in transcriptional regulation and is encoded by a gene that maps to human chromosome 19q13.43.

# REFERENCES

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- Mark, C., Abrink, M. and Hellman, L. 1999. Comparative analysis of KRAB zinc finger proteins in rodents and man: evidence for several evolutionarily distinct subfamilies of KRAB zinc finger genes. DNA Cell Biol. 18: 381-396.
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## CHROMOSOMAL LOCATION

Genetic locus: ZNF8 (human) mapping to 19q13.43.

#### SOURCE

ZNF8 (S-20) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of ZNF8 of human origin.

# PRODUCT

Each vial contains 200  $\mu g$  lgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-249804 P, (100  $\mu$ g peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

## APPLICATIONS

ZNF8 (S-20) is recommended for detection of ZNF8 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 ZNF8 siRNA (h): sc-97895, ZNF8 shRNA Plasmid (h): sc-97895-SH and ZNF8 shRNA (h) Lentiviral Particles: sc-97895-V.

Molecular Weight of ZNF8: 65 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) Immunofluo-rescence: 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 or our catalog for detailed protocols and support products.