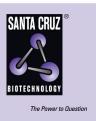
SANTA CRUZ BIOTECHNOLOGY, INC.

ZNF8 (C-16): sc-249805



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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CHROMOSOMAL LOCATION

Genetic locus: ZNF8 (human) mapping to 19q13.43; Zfp128 (mouse) mapping to 7 A1.

SOURCE

ZNF8 (C-16) is an affinity purified goat polyclonal antibody raised against a peptide mapping near the C-terminus of ZNF8 of human origin.

PRODUCT

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

Blocking peptide available for competition studies, sc-249805 P, (100 μ g peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

ZNF8 (C-16) is recommended for detection of ZNF8 of mouse, rat and 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.

ZNF8 (C-16) is also recommended for detection of ZNF8 in additional species, including equine and canine.

Suitable for use as control antibody for ZNF8 siRNA (h): sc-97895, ZNF8 siRNA (m): sc-155801, ZNF8 shRNA Plasmid (h): sc-97895-SH, ZNF8 shRNA Plasmid (m): sc-155801-SH, ZNF8 shRNA (h) Lentiviral Particles: sc-97895-V and ZNF8 shRNA (m) Lentiviral Particles: sc-155801-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.