SANTA CRUZ BIOTECHNOLOGY, INC.

ZNF251 (S-16): sc-98226

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. ZNF251 (Zinc finger protein 251) is a zinc finger protein belonging to the Krüppel C_2H_2-type zinc-finger protein family. It localizes to the nucleus and may play a role in transcriptional regulation. ZNF251 is a 628 amino acid gene product that contains fourteen C_2H_2-type zinc fingers and one KRAB domain.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: ZNF251 (human) mapping to 8q24.3.

SOURCE

ZNF251 (S-16) is an affinity purified rabbit polyclonal antibody raised against a peptide mapping within an internal region of ZNF251 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.

PROTOCOLS

See our web site at www.scbt.com or our catalog for detailed protocols and support products.

PRODUCT

Each vial contains 100 µg IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-98226 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

Available as TransCruz reagent for Gel Supershift and ChIP applications, sc-98226 X, 100 µg/0.1 ml.

APPLICATIONS

ZNF251 (S-16) is recommended for detection of ZNF251 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 fmaily members.

Suitable for use as control antibody for ZNF251 siRNA (h): sc-77485, ZNF251 shRNA Plasmid (h): sc-77485-SH and ZNF251 shRNA (h) Lentiviral Particles: sc-77485-V.

ZNF251 (S-16) X TransCruz antibody is recommended for Gel Supershift and ChIP applications.

Molecular Weight of ZNF251: 71 kDa.

RECOMMENDED SECONDARY REAGENTS

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use goat anti-rabbit IgG-HRP: sc-2004 (dilution range: 1:2000-1:100,000) or Cruz Marker™ compatible goat anti-rabbit IgG-HRP: sc-2030 (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 goat anti-rabbit IgG-FITC: sc-2012 (dilution range: 1:100-1:400) or goat anti-rabbit IgG-TR: sc-2780 (dilution range: 1:100-1:400) with UltraCruz™ Mounting Medium: sc-24941.

RESEARCH USE

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