

ZNF681 (D-23): sc-134208

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. ZNF681 (zinc finger protein 681) is a 576 amino acid protein that belongs to the Krüppel C₂H₂-type zinc-finger protein family and contains 16 C₂H₂-type zinc fingers. Localizing to nucleus, ZNF681 is thought to play a role in transcriptional regulation and is encoded by a gene that localizes to human chromosome 19p12.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: ZNF681 (human) mapping to 19p12.

SOURCE

ZNF681 (D-23) is an affinity purified rabbit polyclonal antibody raised against synthetic ZNF681 peptide of human origin.

PRODUCT

Each vial contains 50 µg IgG in 500 µl PBS with < 0.1% sodium azide, 0.1% gelatin and < 0.02% sucrose.

STORAGE

Store at 4° C, ****DO NOT FREEZE****. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

APPLICATIONS

ZNF681 (D-23) is recommended for detection of ZNF681 of human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 µg per 100-500 µg of total protein (1 ml of cell lysate)] and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

Suitable for use as control antibody for ZNF681 siRNA (h): sc-97673, ZNF681 shRNA Plasmid (h): sc-97673-SH and ZNF681 shRNA (h) Lentiviral Particles: sc-97673-V.

Molecular Weight of ZNF681 isoforms: 75/67 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) Immunoprecipitation: use Protein A/G PLUS-Agarose: sc-2003 (0.5 ml agarose/2.0 ml).

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.