



ZNF596 (H-105): sc-98284

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. ZNF596 is a zinc finger protein belonging to the Krüppel C₂H₂-type zinc-finger protein family. It localizes to the nucleus and may play a role in transcriptional regulation. ZNF596 is a 498 amino acid long protein that contains 11 C₂H₂-type zinc fingers and 1 KRAB domain. In addition, three isoforms exist for this protein due to alternative splicing events.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: ZNF596 (human) mapping to 8p23.3.

SOURCE

ZNF596 (H-105) is a rabbit polyclonal antibody raised against amino acids 89-193 mapping within an internal region of ZNF596 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.

PRODUCT

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

Available as TransCruz reagent for Gel Supershift and ChIP applications, sc-98284 X, 200 µg/0.1 ml.

APPLICATIONS

ZNF596 (H-105) is recommended for detection of ZNF596 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)], 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).

Suitable for use as control antibody for ZNF596 siRNA (h): sc-76995, ZNF596 shRNA Plasmid (h): sc-76995-SH and ZNF596 shRNA (h) Lentiviral Particles: sc-76995-V.

ZNF596 (H-105) X TransCruz antibody is recommended for Gel Supershift and ChIP applications.

Molecular Weight of ZNF596: 58 kDa.

Positive Controls: Jurkat whole cell lysate: sc-2204.

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). 3) 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.

PROTOCOLS

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