SANTA CRUZ BIOTECHNOLOGY, INC.

ZSCAN5 (G-24): sc-130004



The Power to Question

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. Zinc finger and SCAN domain-containing protein 5A (ZSCAN5), also known as ZNF495 or ZSCAN5A, is a 496 amino acid member of the Krüppel C_2H_2 -type zinc finger protein family. Localized to the nucleus, ZSCAN5 contains five C_2H_2 -type zinc fingers at the carboxy-terminus and one SCAN box domain, a leucine rich region of about 80 amino acids, at the amino-terminus through which it is thought to be involved in DNA-binding and transcriptional regulation.

REFERENCES

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STORAGE

Store at 4° C, **D0 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.

CHROMOSOMAL LOCATION

Genetic locus: ZSCAN5 (human) mapping to 19q13.43.

SOURCE

ZSCAN5 (G-24) is a purified rabbit polyclonal antibody raised against ZSCAN5 of human origin.

PRODUCT

Each vial contains 50 μ g lgG in 500 μ l PBS with < 0.1% sodium azide, 0.1% gelatin and < 0.02% sucrose.

APPLICATIONS

ZSCAN5 (G-24) is recommended for detection of ZSCAN5 of human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 μ g per 100-500 μ g 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 ZSCAN5 siRNA (h): sc-97841, ZSCAN5 shRNA Plasmid (h): sc-97841-SH and ZSCAN5 shRNA (h) Lentiviral Particles: sc-97841-V.

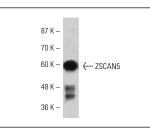
Molecular Weight of ZSCAN5: 56 kDa.

Positive Controls: ZSCAN5 (h):

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).

DATA



ZSCAN5 (G-24): sc-130004. Western blot analysis of ZSCAN5 expression in transfected 293T whole cell lysate.

RESEARCH USE

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