

ZNF500 (N-17): sc-249593

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. ZNF500, also designated zinc finger protein with KRAB and SCAN domains 18 or ZKSCAN18, belongs to the Krüppel C₂H₂-type zinc-finger protein family of proteins. ZNF500 is 480 amino acids in length and contains 5 C₂H₂-type zinc fingers, 1 KRAB domain and 1 SCAN box domain. Localized to the nucleus, ZNF500 is a metal-binding protein that may be involved in DNA-dependent transcriptional regulation activity.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: ZNF500 (human) mapping to 16p13.3.

SOURCE

ZNF500 (N-17) is an affinity purified goat polyclonal antibody raised against a peptide mapping at the N-terminus of ZNF500 of human origin.

PRODUCT

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

Blocking peptide available for competition studies, sc-249593 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

ZNF500 (N-17) is recommended for detection of ZNF500 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).

Suitable for use as control antibody for ZNF500 siRNA (h): sc-93244, ZNF500 shRNA Plasmid (h): sc-93244-SH and ZNF500 shRNA (h) Lentiviral Particles: sc-93244-V.

Molecular Weight of ZNF500: 53 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 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) Immunofluorescence: 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.