SANTA CRUZ BIOTECHNOLOGY, INC.

# ZNF511 (S-15): sc-324651

## 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. ZNF511 (zinc finger protein 511) is a 262 amino acid nuclear protein belonging to the Krüppel $C_2H_2$-type zinc-finger protein family. Containing three $C_2H_2$-type zinc fingers, ZNF511 is thought to be involved in transcriptional regulation events. ZNF511 exists as two alternatively spliced isoforms and is encoded by a gene located on human chromosome 10, which consists of about 1,200 genes and makes up approximately 4.5% of the human genome.

## REFERENCES


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## CHROMOSOMAL LOCATION

Genetic locus: ZNF511 (human) mapping to 10q26.3.

## SOURCE

ZNF511 (S-15) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of ZNF511 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-324651 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

## APPLICATIONS

ZNF511 (S-15) is recommended for detection of ZNF511 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); non cross-reactive with other zinc finger proteins.

Suitable for use as control antibody for ZNF511 siRNA (h): sc-90556, ZNF511 shRNA Plasmid (h): sc-90556-SH and ZNF511 shRNA (h) Lentiviral Particles: sc-90556-V.

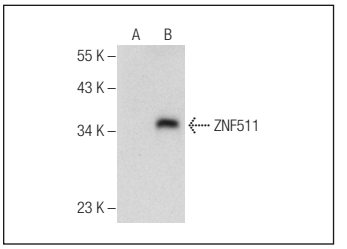
Molecular Weight of ZNF511 isoforms: 28/29 kDa.

Positive Controls: ZNF511 (h): 293T Lysate: sc-114026.

## 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) Immunoprecipitation: use Protein A/G PLUS-Agarose: sc-2003 (0.5 ml agarose/2.0 ml). 3) 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.

## DATA




ZNF511 (S-15): sc-324651. Western blot analysis of ZNF511 expression in non-transfected: sc-117752 (**A**) and human ZNF511 transfected: sc-114026 (**B**) 293T whole cell lysates.

## 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.