SANTA CRUZ BIOTECHNOLOGY, INC.

ZNF668 (C-15): sc-79385

SANTA CRUZ BIOTECHNOLOGY

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. ZNF668 (zinc finger protein 668) is a 619 amino acid protein that localizes to the nucleus and contains 16 C_2H_2-type zinc fingers. One of several members of the krueppel C_2H_2-type zinc-finger protein family, ZNF668 is thought to be involved in transcriptional regulation events. The gene encoding ZNF668 maps to human chromosome 16, which encodes over 900 genes and comprises nearly 3% of the human genome.

REFERENCES

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RESEARCH USE

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

CHROMOSOMAL LOCATION

Genetic locus: ZNF668 (human) mapping to 16p11.2; Zfp668 (mouse) mapping to 7 F3.

SOURCE

ZNF668 (C-15) is an affinity purified goat polyclonal antibody raised against a peptide mapping near the C-terminus of ZNF668 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-79385 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

ZNF668 (C-15) is recommended for detection of ZNF668 of mouse, rat and 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).

ZNF668 (C-15) is also recommended for detection of ZNF668 in additional species, including equine, bovine and porcine.

Suitable for use as control antibody for ZNF668 siRNA (h): sc-63255, ZNF668 siRNA (m): sc-63256, ZNF668 shRNA Plasmid (h): sc-63255-SH, ZNF668 shRNA Plasmid (m): sc-63256-SH, ZNF668 shRNA (h) Lentiviral Particles: sc-63255-V and ZNF668 shRNA (m) Lentiviral Particles: sc-63256-V.

Molecular Weight of ZNF668: 68 kDa.

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.

STORAGE

Store at 4° C, **DO 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.