SANTA CRUZ BIOTECHNOLOGY, INC.

ANKZF1 (K-14): sc-132625

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. ANKZF1 (ankyrin repeat and zinc finger domain containing 1), also known as ZNF744, is 726 amino acids in length and lacks a KRAB domain but contains one C_2H_2-type zinc finger and 2 ANK repeats. The gene encoding ANKZF1 localizes to chromosome 2.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: ANKZF1 (human) mapping to 2q35; Ankzf1 (mouse) mapping to 1 C3.

STORAGE

Store at 4° C, **DO NOT FREEZE**. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

SOURCE

ANKZF1 (K-14) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of ANKZF1 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-132625 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

ANKZF1 (K-14) is recommended for detection of ANKZF1 of mouse, rat and 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).

ANKZF1 (K-14) is also recommended for detection of ANKZF1 in additional species, including equine and canine.

Suitable for use as control antibody for ANKZF1 siRNA (h): sc-94287, ANKZF1 siRNA (m): sc-141123, ANKZF1 shRNA Plasmid (h): sc-94287-SH, ANKZF1 shRNA Plasmid (m): sc-141123-SH, ANKZF1 shRNA (h) Lentiviral Particles: sc-94287-V and ANKZF1 shRNA (m) Lentiviral Particles: sc-141123-V.

Molecular Weight of ANKZF1: 81 kDa.

Positive Controls: HeLa whole cell lysate: sc-2200 or Raji whole cell lysate: sc-364236.

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.

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.