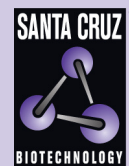


ZNF136 (I-15): sc-324517



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. ZNF136 is a transcriptional regulator belonging to the Krüppel C₂H₂-type zinc-finger protein family. It is a ubiquitously expressed protein, localizes to the nucleus and contains 14 C₂H₂-type zinc fingers and one KRAB A-domain. Alone, ZNF136 functions as a weak repressor; however, when fused with a heterologous KRAB B-domain containing protein, such as ZNF10, ZNF136 functions as a potent repressor.

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CHROMOSOMAL LOCATION

Genetic locus: ZNF136 (human) mapping to 19p13.2.

SOURCE

ZNF136 (I-15) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of ZNF136 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-324517 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

ZNF136 (I-15) is recommended for detection of ZNF136 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); non cross-reactive with other zinc finger proteins.

Suitable for use as control antibody for ZNF136 siRNA (h): sc-97668, ZNF136 shRNA Plasmid (h): sc-97668-SH and ZNF136 shRNA (h) Lentiviral Particles: sc-97668-V.

Molecular Weight of ZNF136: 63 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) 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.