



ZKSCAN5 (E-13): sc-132151

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. A member of the Krüppel C₂H₂-type zinc-finger protein family, ZKSCAN5, also known as ZFP95, is a 839 amino acid protein containing thirteen C₂H₂-type zinc fingers, one KRAB A domain and one SCAN box domain. ZKSCAN5 is located in the nucleus and is highly expressed in testes with lower levels of expression in liver, kidney, brain, striated muscle, lung and heart. Many KRAB A box-containing proteins have been shown to function as transcription repressors, suggesting a possible function of ZKSCAN5. As a result of alternative splicing, three transcripts of ZKSCAN5 exist, however one of those transcripts is specific to testis. The mouse homolog of ZKSCAN5 is differentially expressed in spermatogenesis.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: ZKSCAN5 (human) mapping to 7q22.1; Zkscan5 (mouse) mapping to 5 G2.

SOURCE

ZKSCAN5 (E-13) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of ZKSCAN5 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-132151 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

ZKSCAN5 (E-13) is recommended for detection of ZKSCAN5 of mouse 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); non cross-reactive with other ZKSCAN family members.

Suitable for use as control antibody for ZKSCAN5 siRNA (h): sc-89452, ZKSCAN5 siRNA (m): sc-155626, ZKSCAN5 shRNA Plasmid (h): sc-89452-SH, ZKSCAN5 shRNA Plasmid (m): sc-155626-SH, ZKSCAN5 shRNA (h) Lentiviral Particles: sc-89452-V and ZKSCAN5 shRNA (m) Lentiviral Particles: sc-155626-V.

Molecular Weight of ZKSCAN5: 97 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.