



## ZKSCAN5 (Q-16): sc-102177

### 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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### STORAGE

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

### CHROMOSOMAL LOCATION

Genetic locus: ZKSCAN5 (human) mapping to 7q22.1.

### SOURCE

ZKSCAN5 (Q-16) is a purified rabbit polyclonal antibody raised against ZKSCAN5 of human origin.

### PRODUCT

Each vial contains 100 µg IgG in 1.0 ml PBS with < 0.1% sodium azide, 0.1% gelatin and < 0.02% sucrose.

### APPLICATIONS

ZKSCAN5 (Q-16) is recommended for detection of ZKSCAN5 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)] and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

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

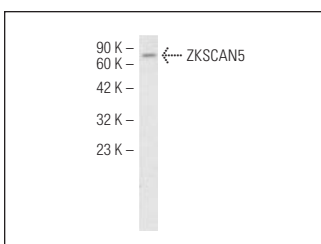
Molecular Weight of ZKSCAN5: 97 kDa.

Positive Controls: Jurkat whole cell lysate: sc-2204.

### RECOMMENDED SECONDARY REAGENTS

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use goat anti-rabbit IgG-HRP: sc-2004 (dilution range: 1:2000-1:100,000) or Cruz Marker™ compatible goat anti-rabbit IgG-HRP: sc-2030 (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).

### DATA



ZKSCAN5 (Q-16): sc-102177. Western blot analysis of ZKSCAN5 expression in Jurkat whole cell lysate.

### RESEARCH USE

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