

ZNF169 (Q-15): sc-324526

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. As a member of the Krüppel C₂H₂-type zinc-finger protein family, ZNF169 (zinc finger protein 169) is a 603 amino acid nuclear protein that contains one KRAB domain and 13 C₂H₂-type zinc fingers. ZNF169 is highly expressed in kidney and weakly expressed in spleen, liver, small intestine and heart, where it functions as a transcription regulator. The gene encoding ZNF169 maps to a region of human chromosome 9q22.32, which has been associated with many human diseases such as colon cancer, migraine auras, basal cell carcinoma, Gorlin syndrome and extraskeletal myxoid chondrosarcoma.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: ZNF169 (human) mapping to 9q22.32.

SOURCE

ZNF169 (Q-15) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of ZNF169 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-324526 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

ZNF169 (Q-15) is recommended for detection of ZNF169 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 ZNF169 siRNA (h): sc-92480, ZNF169 shRNA Plasmid (h): sc-92480-SH and ZNF169 shRNA (h) Lentiviral Particles: sc-92480-V.

Molecular Weight of ZNF169: 68 kDa.

Positive Controls: Hep G2 cell lysate: sc-2227.

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.