ZNF219 (C-17): sc-130291



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. ZNF219 (zinc finger protein 219) is a 722 amino acid protein belonging to the Krüppel C2H2-type zinc-finger protein family. It is ubiquitously expressed and localizes to the nucleus. Containing six $\rm C_2H_2$ -type zinc fingers which function to bind DNA, ZNF219 is thought to be involved in transcriptional regulation. Specifically, ZNF219 has been identified as a transcriptional repressor that downregulates the transcription of the HMG-14 promoter.

REFERENCES

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- Liu, J. and Stormo, G.D. 2008. Context-dependent DNA recognition code for C₂H₂ zinc-finger transcription factors. Bioinformatics 24: 1850-1857.

CHROMOSOMAL LOCATION

Genetic locus: ZNF219 (human) mapping to 14q11.2.

SOURCE

ZNF219 (C-17) is a purified rabbit polyclonal antibody raised against a peptide mapping near the C-terminus of ZNF219 of human origin.

PRODUCT

Each vial contains 100 μg lgG in 1.0 ml PBS with < 0.1% sodium azide and 0.1% gelatin.

STORAGE

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

APPLICATIONS

ZNF219 (C-17) is recommended for detection of ZNF219 of human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 μ g per 100-500 μ g 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 ZNF219 siRNA (h): sc-92215, ZNF219 shRNA Plasmid (h): sc-92215-SH and ZNF219 shRNA (h) Lentiviral Particles: sc-92215-V.

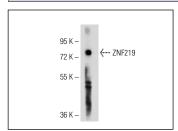
Molecular Weight of ZNF219: 77 kDa.

Positive Controls: CEM whole cell lysate.

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). 3) Immunofluorescence: use goat anti-rabbit IgG-FITC: sc-2012 (dilution range: 1:100-1:400) or goat anti-rabbit IgG-TR: sc-2780 (dilution range: 1:100-1:400) with UltraCruz™ Mounting Medium: sc-24941.

DATA



ZNF219 (C-17): sc-130291. Western blot analysis of ZNF219 expression in CEM whole cell lysate.

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.

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