

# ZNF213 (M-13): sc-132911

## 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. ZNF213 (zinc finger protein 213), also known as CR53 or ZKSCAN21, is a 459 amino acid protein that contains 5 C<sub>2</sub>H<sub>2</sub>-type zinc fingers, one KRAB domain and one SCAN box domain. Localized to the nucleus and expressed at high levels in the testis, ZNF213 belongs to the krüppel C<sub>2</sub>H<sub>2</sub>-type zinc-finger protein family and is thought to be involved in transcriptional regulation.

## REFERENCES

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## CHROMOSOMAL LOCATION

Genetic locus: ZNF213 (human) mapping to 16p13.3; Zfp213 (mouse) mapping to 17 A3.3.

## SOURCE

ZNF213 (M-13) is an affinity purified goat polyclonal antibody raised against a peptide mapping at the C-terminus of ZNF213 of mouse 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-132911 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

## APPLICATIONS

ZNF213 (M-13) is recommended for detection of ZNF213 of mouse, rat 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 ZNF family members.

ZNF213 (M-13) is also recommended for detection of ZNF213 in additional species, including canine.

Suitable for use as control antibody for ZNF213 siRNA (h): sc-93233, ZNF213 shRNA Plasmid (h): sc-93233-SH and ZNF213 shRNA (h) Lentiviral Particles: sc-93233-V.

Molecular Weight of ZNF213: 51 kDa.

Positive Controls: A-431 whole cell lysate: sc-2201 or 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](http://www.scbt.com) or our catalog for detailed protocols and support products.