

ZNF213 (RM-17): sc-101080

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 C₂H₂-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 C₂H₂-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.

SOURCE

ZNF213 (RM-17) is a mouse monoclonal antibody raised against recombinant ZNF213 of human origin.

PRODUCT

Each vial contains 50 µg IgG₁ kappa light chain in 0.5 ml of 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.

RESEARCH USE

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

APPLICATIONS

ZNF213 (RM-17) is recommended for detection of ZNF213 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 ZNF213 siRNA (h): sc-93233, ZNF213 shRNA Plasmid (h): sc-93233-SH and ZNF213 shRNA (h) Lentiviral Particles: sc-93233-V.

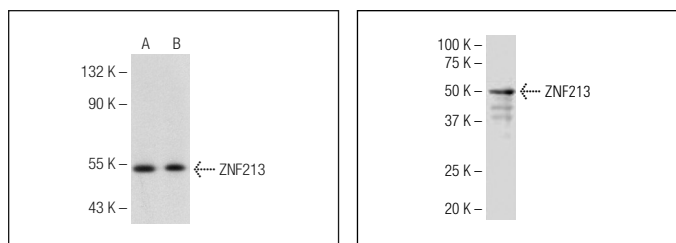
Molecular Weight of ZNF213: 51 kDa.

Positive Controls: Jurkat whole cell lysate: sc-2204, A-431 whole cell lysate: sc-2201 or MCF7 whole cell lysate: sc-2206.

RECOMMENDED SUPPORT REAGENTS

To ensure optimal results, the following support reagents are recommended: 1) Western Blotting: use m-IgGκ BP-HRP: sc-516102 or m-IgGκ BP-HRP (Cruz Marker): sc-516102-CM (dilution range: 1:1000-1:10000), 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



ZNF213 (RM-17): sc-101080. Western blot analysis of ZNF213 expression in Jurkat (A) and MCF7 (B) nuclear extracts. ZNF213 (RM-17): sc-101080. Western blot analysis of ZNF213 expression in A-431 whole cell lysate.

PROTOCOLS

See our web site at www.scbt.com for detailed protocols and support products.