

# ZNF263 (8-YD33): sc-135612

## 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 C<sub>2</sub>H<sub>2</sub>-type zinc-finger protein family, ZNF263 (zinc finger protein 263), also known as FPM315 or ZKSCAN12 (zinc finger protein with KRAB and SCAN domains 12), is a 683 amino acid nuclear protein that contains nine C<sub>2</sub>H<sub>2</sub>-type zinc fingers, one KRAB domain and one SCAN box domain. ZNF263 acts as a transcriptional repressor in the nucleus and is expressed in various tissues including heart, brain, placenta, lung, liver, skeletal muscle, kidney, pancreas, spleen, thymus, prostate, testis, ovary, small intestine, colon and leukocyte.

## REFERENCES

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3. Rosenfeld, R. and Margalit, H. 1993. Zinc fingers: conserved properties that can distinguish between spurious and actual DNA-binding motifs. *J. Biomol. Struct. Dyn.* 11: 557-570.
4. Yokoyama, M., Nakamura, M., Okubo, K., Matsubara, K., Nishi, Y., Matsumoto, T. and Fukushima, A. 1997. Isolation of a cDNA encoding a widely expressed novel zinc finger protein with the LeR and KRAB-A domains. *Biochim. Biophys. Acta* 1353: 13-17.
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## CHROMOSOMAL LOCATION

Genetic locus: ZNF263 (human) mapping to 16p13.3; Zfp263 (mouse) mapping to 16 A1.

## SOURCE

ZNF263 (8-YD33) is a mouse monoclonal antibody raised against recombinant ZNF263 protein of human origin.

## PRODUCT

Each vial contains 100 µg IgG<sub>2a</sub> kappa light chain in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

## APPLICATIONS

ZNF263 (8-YD33) is recommended for detection of ZNF263 of mouse, rat and 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 ZNF263 siRNA (h): sc-92999, ZNF263 siRNA (m): sc-155671, ZNF263 shRNA Plasmid (h): sc-92999-SH, ZNF263 shRNA Plasmid (m): sc-155671-SH, ZNF263 shRNA (h) Lentiviral Particles: sc-92999-V and ZNF263 shRNA (m) Lentiviral Particles: sc-155671-V.

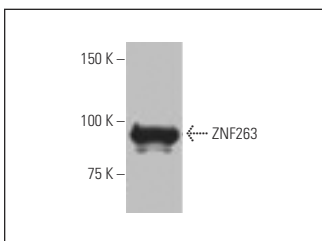
Molecular Weight of ZNF263: 77 kDa.

Positive Controls: HeLa nuclear extract: sc-2120.

## 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, UltraCruz® Blocking Reagent: sc-516214 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



ZNF263 (8-YD33): sc-135612. Western blot analysis of ZNF263 expression in HeLa nuclear extract.

## 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) for detailed protocols and support products.