



# SZABO SCANDIC

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## Produktinformation



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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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# ZNF313 (m): 293T Lysate: sc-127822

## 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. ZNF313 (zinc finger protein 313), also known as RNF114 (RING finger protein 114) or ZNF228, is a 228 amino acid protein that contains one RING-type zinc finger (a domain that can bind 2 zinc atoms and is involved in the ubiquitination pathway) and is expressed abundantly in mature testis. Existing as two isoforms due to alternative splicing events, ZNF313 is thought to play a role in spermatogenesis and male fertility. In addition, the gene encoding ZNF313 may be associated with an increased susceptibility to psoriasis, an immune-mediated skin disease characterized by red, scaly patches on the epidermis.

## REFERENCES

1. Rousseau-Merck, M.F., et al. 1994. Chromosomal localization of 9 KOX zinc finger genes: physical linkages suggest clustering of KOX genes on chromosomes 12, 16, and 19. *Hum. Genet.* 92: 583-587.
2. Sun, Y., et al. 2003. The KRAB domain of zinc finger gene ZNF268: a potential transcriptional repressor. *IUBMB Life* 55: 127-131.
3. Rousseau-Merck, M.F., et al. 2003. The KOX zinc finger genes: genome wide mapping of 3.ZNF PAC clones with zinc finger gene clusters predominantly in 23 chromosomal loci are confirmed by human sequences annotated in EnsEMBL. 4. *Cytogenet. Genome Res.* 98: 147-153.
4. Ma, Y.X., et al. 2003. Identification of a novel human zinc finger protein gene ZNF313. *Sheng Wu Hua Xue Yu Sheng Wu Wu Li Xue Bao* 35: 230-237.
5. Nakamura, M., et al. 2004. A novel subfamily of zinc finger genes involved in embryonic development. *J. Cell. Biochem.* 93: 887-895.
6. Englbrecht, C.C., et al. 2004. Conservation, diversification and expansion of C<sub>2</sub>H<sub>2</sub> zinc finger proteins in the *Arabidopsis thaliana* genome. *BMC Genomics* 5: 39.
7. O'Geen, H., et al. 2007. Genome-wide analysis of KAP1 binding suggests autoregulation of KRAB-ZNFs. *PLoS Genet.* 3: e89.

## CHROMOSOMAL LOCATION

Genetic locus: Rnf114 (mouse) mapping to 2 H3.

## PRODUCT

ZNF313 (m): 293T Lysate represents a lysate of mouse ZNF313 transfected 293T cells and is provided as 100 µg protein in 200 µl SDS-PAGE buffer.

## STORAGE

Store at -20° C. Repeated freezing and thawing should be minimized. Sample vial should be boiled once prior to use. Non-hazardous. No MSDS required.

## PROTOCOLS

See our web site at [www.scbt.com](http://www.scbt.com) for detailed protocols and support products.

## APPLICATIONS

ZNF313 (m): 293T Lysate is suitable as a Western Blotting positive control for mouse reactive ZNF313 antibodies. Recommended use: 10-20 µl per lane.

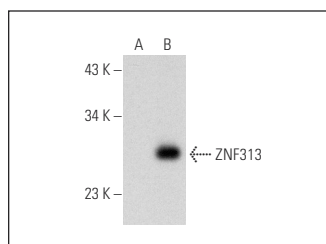
Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

ZNF313 (E-12): sc-514603 is recommended as a positive control antibody for Western Blot analysis of enhanced mouse ZNF313 expression in ZNF313 transfected 293T cells (starting dilution 1:100, dilution range 1:100-1:1,000).

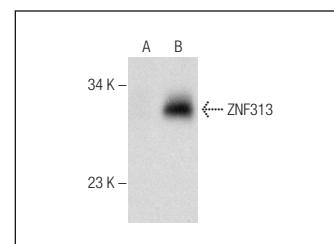
## RECOMMENDED SUPPORT REAGENTS

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.

## DATA



ZNF313 (E-12): sc-514603. Western blot analysis of ZNF313 expression in non-transfected: sc-117752 (A) and mouse ZNF313 transfected: sc-127822 (B) 293T whole cell lysates.



ZNF313 (SM-3): sc-101116. Western blot analysis of ZNF313 expression in non-transfected: sc-117752 (A) and mouse ZNF313 transfected: sc-127822 (B) 293T whole cell lysates.

## RESEARCH USE

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