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Diagnostik & molekulare Diagnostik



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- Expressversand

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# ZNF276 (h4): 293T Lysate: sc-178164

## 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. ZNF276 is a 614 amino acid protein containing 5 C<sub>2</sub>H<sub>2</sub>-type zinc fingers and one zinc finger associated (ZAD) domain. Due to a loss of heterozygosity at the chromosomal location of the gene encoding ZNF276 in sporadic breast cancers, the ZNF276 gene has been targeted as a possible breast cancer tumor suppressor. The FANCA gene, which encodes a DNA repair protein, is situated at the same chromosomal location as the ZNF276 gene, suggesting a possible involvement of ZNF276 in the progression of Fanconi anemia, an autosomal recessive disorder which is caused by mutations in the gene encoding FANCA. There are two isoforms of ZNF276 that exist as a result of an alternative splicing event.

## REFERENCES

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## CHROMOSOMAL LOCATION

Genetic locus: ZNF276 (human) mapping to 16q24.3.

## RESEARCH USE

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

## PRODUCT

ZNF276 (h4): 293T Lysate represents a lysate of human ZNF276 transfected 293T cells and is provided as 100 µg protein in 200 µl SDS-PAGE buffer.

## APPLICATIONS

ZNF276 (h4): 293T Lysate is suitable as a Western Blotting positive control for human reactive ZNF276 antibodies. Recommended use: 10-20 µl per lane.

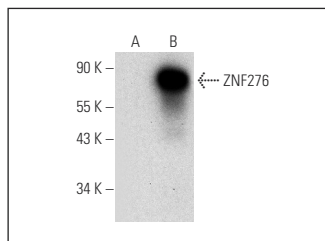
Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

ZNF276 (F-10): sc-398207 is recommended as a positive control antibody for Western Blot analysis of enhanced human ZNF276 expression in ZNF276 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



ZNF276 (F-10): sc-398207. Western blot analysis of ZNF276 expression in non-transfected: sc-117752 (A) and human ZNF276 transfected: sc-178164 (B) 293T whole cell lysates.

## 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.