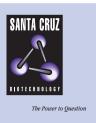
# SANTA CRUZ BIOTECHNOLOGY, INC.

# ZNF554 (H-19): sc-102237



## 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. Zinc finger protein 554 (ZNF554) is a 538 amino acid member of the Krüppel  $C_2H_2$ -type zinc finger protein family. Localized to the nucleus, ZNF554 contains eight  $C_2H_2$ -type zinc fingers and one KRAB domain through which it is thought to be involved in DNA-binding and transcriptional regulation.

#### REFERENCES

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- Abrink, M., Aveskogh, M. and Hellman, L. 1995. Isolation of cDNA clones for 42 different Krüppel-related zinc finger proteins expressed in the human monoblast cell line U-937. DNA Cell Biol. 14: 125-136.
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#### CHROMOSOMAL LOCATION

Genetic locus: ZNF554 (human) mapping to 19p13.3.

#### SOURCE

ZNF554 (H-19) is a purified rabbit polyclonal antibody raised against ZNF554 of human origin.

# **STORAGE**

Store at 4° C, \*\*D0 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.

# PRODUCT

Each vial contains 50  $\mu g$  lgG in 500  $\mu l$  PBS with < 0.1% sodium azide, 0.1% gelatin and < 0.02% sucrose.

# **APPLICATIONS**

ZNF554 (H-19) is recommended for detection of ZNF554 of human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2  $\mu$ g per 100-500  $\mu$ g of total protein (1 ml of cell lysate)] and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

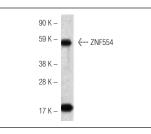
Suitable for use as control antibody for ZNF554 siRNA (h): sc-97347, ZNF554 shRNA Plasmid (h): sc-97347-SH and ZNF554 shRNA (h) Lentiviral Particles: sc-97347-V.

Molecular Weight of ZNF554: 61 kDa.

# **RECOMMENDED SECONDARY REAGENTS**

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use goat anti-rabbit IgG-HRP: sc-2004 (dilution range: 1:2000-1:100,000) or Cruz Marker™ compatible goat anti-rabbit IgG-HRP: sc-2030 (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) Immunoprecipitation: use Protein A/G PLUS-Agarose: sc-2003 (0.5 ml agarose/2.0 ml).

#### DATA



ZNF554 (H-19): sc-102237. Western blot analysis of ZNF554 expression in placenta tissue extract.

## **PROTOCOLS**

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