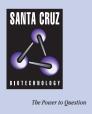
# ZNF550 (L-20): sc-102236



# **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 Krüppel-type DNA binding domains that are frequently observed to be involved in sequence-specific DNA binding. ZNF545 is a 532 amino acid transcriptional regulator belonging to the Krüppel  $C_2H_2$ -type zinc finger protein family. ZNF545 localizes to the nucleus and contains 13  $C_2H_2$ -type zinc fingers and a KRAB domain. Two isoforms of ZNF545 are formed due to alternative splicing. ZNF545 is encoded by a gene located on chromosome 19, which contains a diversity of interesting genes and is recognized for having the greatest gene density of the human chromosomes. Chromosome 19 is the genetic home for a number of immunoglobulin superfamily members, including the killer cell and leukocyte lg-like receptors, a number of ICAMs, the CEACAM and PSG family and Fc receptors (FcR). Key genes for eye color and hair color also map to chromosome 19.

# **REFERENCES**

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#### 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.

#### **CHROMOSOMAL LOCATION**

Genetic locus: ZNF550 (human) mapping to 19q13.43.

#### **SOURCE**

ZNF550 (L-20) is a purified rabbit polyclonal antibody raised against ZNF550 of human origin.

#### **PRODUCT**

Each vial contains 100  $\mu g$  IgG in 1.0 ml PBS with <0.1% sodium azide, 0.1% gelatin and <0.02% sucrose.

#### **APPLICATIONS**

ZNF550 (L-20) is recommended for detection of ZNF550 of human and dog 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 ZNF550 siRNA (h): sc-97184, ZNF550 shRNA Plasmid (h): sc-97184-SH and ZNF550 shRNA (h) Lentiviral Particles: sc-97184-V.

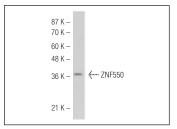
Molecular Weight of ZNF550: 48 kDa.

Positive Controls: Jurkat whole cell lysate: sc-2204.

# **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



ZNF550 (L-20): sc-102236. Western blot analysis of ZNF550 expression in Jurkat whole cell lysate.

#### **PROTOCOLS**

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