

ZNF549 (N-20): sc-244799

BACKGROUND

ZNF549 (zinc finger protein 549) is a 640 amino acid nuclear protein that exists as 2 alternatively spliced isoforms and may be involved in transcriptional regulation. Belonging to the krüppel C₂H₂-type zinc-finger protein family, ZNF549 contains 15 C₂H₂-type zinc fingers and one KRAB domain. The gene that encodes ZNF549 is made up of approximately 13,439 bases and maps to human chromosome 19q13.43. Consisting of around 63 million bases with more than 1,400 genes, chromosome 19 makes up over 2% of the human genome. It is the genetic home for a number of immunoglobulin superfamily members including the killer cell and leukocyte Ig-like receptors, a number of ICAMs, the CEACAM and PSG families, and Fc α receptors. Peutz-Jeghers syndrome, spinocerebellar ataxia type 6, the stroke disorder CADASIL, hypercholesterolemia and Insulin-dependent diabetes have been linked to chromosome 19.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: ZNF549 (human) mapping to 19q13.43.

SOURCE

ZNF549 (N-20) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of ZNF549 of human origin.

PRODUCT

Each vial contains 200 μ g IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-244799 P, (100 μ g peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

ZNF549 (N-20) is recommended for detection of ZNF549 of human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 μ g per 100-500 μ g of total protein (1 ml of cell lysate)], immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

Suitable for use as control antibody for ZNF549 siRNA (h): sc-97729, ZNF549 shRNA Plasmid (h): sc-97729-SH and ZNF549 shRNA (h) Lentiviral Particles: sc-97729-V.

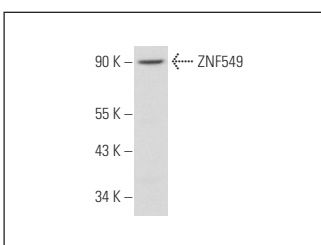
Molecular Weight of ZNF549 isoforms: 74/73 kDa.

Positive Controls: NCI-H226 whole cell lysate: sc-364256.

RECOMMENDED SECONDARY REAGENTS

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use donkey anti-goat IgG-HRP: sc-2020 (dilution range: 1:2000-1:100,000) or Cruz Marker™ compatible donkey anti-goat IgG-HRP: sc-2033 (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). 3) Immunofluorescence: use donkey anti-goat IgG-FITC: sc-2024 (dilution range: 1:100-1:400) or donkey anti-goat IgG-TR: sc-2783 (dilution range: 1:100-1:400) with UltraCruz™ Mounting Medium: sc-24941.

DATA



ZNF549 (N-20): sc-244799. Western blot analysis of ZNF549 expression in NCI-H226 whole cell lysate.

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 or our catalog for detailed protocols and support products.