

# ZNF827 (T-20): sc-249818

## BACKGROUND

ZNF827 (zinc finger protein 827) is a 1,081 amino acid nuclear protein that contains 9 C<sub>2</sub>H<sub>2</sub>-type zinc fingers and belongs to the krueppel C<sub>2</sub>H<sub>2</sub>-type zinc-finger protein family. Existing as three alternatively spliced isoforms, ZNF827 may be involved in transcriptional regulation. The gene that encodes ZNF827 consists of around 181,000 bases and maps to human chromosome 4q31.21. Chromosome 4 represents approximately 6% of the human genome and contains nearly 900 genes. Notably, the Huntingtin gene, which is found to encode an expanded glutamine tract in cases of Huntington's disease, is encoded by a gene that maps to chromosome 4. FGFR-3 is also encoded by a gene located on chromosome 4 and has been associated with thanatophoric dwarfism, achondroplasia, Muenke syndrome and bladder cancer. Chromosome 4 is also tied to Ellis-van Creveld syndrome, methylmalonic acidemia and polycystic kidney disease.

## CHROMOSOMAL LOCATION

Genetic locus: ZNF827 (human) mapping to 4q31.21; Zfp827 (mouse) mapping to 8 C1.

## SOURCE

ZNF827 (T-20) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of ZNF827 of human origin.

## PRODUCT

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

Blocking peptide available for competition studies, sc-249818 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

## RESEARCH USE

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

## APPLICATIONS

ZNF827 (T-20) is recommended for detection of ZNF827 of mouse, rat and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 µg per 100-500 µg 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).

ZNF827 (T-20) is also recommended for detection of ZNF827 in additional species, including equine, canine, bovine, porcine and avian.

Suitable for use as control antibody for ZNF827 siRNA (h): sc-89141, ZNF827 siRNA (m): sc-155805, ZNF827 shRNA Plasmid (h): sc-89141-SH, ZNF827 shRNA Plasmid (m): sc-155805-SH, ZNF827 shRNA (h) Lentiviral Particles: sc-89141-V and ZNF827 shRNA (m) Lentiviral Particles: sc-155805-V.

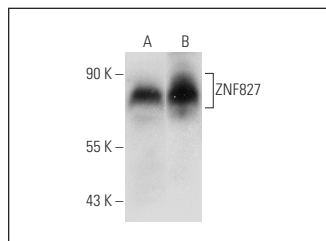
Molecular Weight of ZNF827 isoforms: 119/119/82 kDa.

Positive Controls: Hep G2 cell lysate: sc-2227 or Hep G2 nuclear extract: sc-364819.

## 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



ZNF827 (T-20): sc-249818. Western blot analysis of ZNF827 expression in Hep G2 whole cell lysate (A) and Hep G2 nuclear extract (B).

## STORAGE

Store at 4° C, \*\*DO NOT FREEZE\*\*. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

## PROTOCOLS

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



Try **ZNF827 (F-8): sc-514943**, our highly recommended monoclonal alternative to ZNF827 (T-20).