

# TIP20 (Q-20): sc-248827

## BACKGROUND

TIP20 (TTF-I-interacting peptide 20), also known as ZNF787 (zinc finger protein 787), is a 382 amino acid nuclear protein that may be involved in transcriptional regulation. With seven C<sub>2</sub>H<sub>2</sub>-type zinc fingers, TIP20 belongs to the Krüppel C<sub>2</sub>H<sub>2</sub>-type zinc-finger protein family. Upon DNA damage, TIP20 becomes phosphorylated most likely by Atm or ATR. The gene that encodes TIP20 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 Fcα receptors. Key genes for eye color and hair color also map to chromosome 19. 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: ZNF787 (human) mapping to 19q13.43; Zfp787 (mouse) mapping to 7 A1.

## SOURCE

TIP20 (Q-20) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of TIP20 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-248827 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

## APPLICATIONS

TIP20 (Q-20) is recommended for detection of TIP20 of mouse, rat and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), 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).

TIP20 (Q-20) is also recommended for detection of TIP20 in additional species, including canine, bovine and porcine.

Suitable for use as control antibody for TIP20 siRNA (h): sc-97155, TIP20 siRNA (m): sc-154279, TIP20 shRNA Plasmid (h): sc-97155-SH, TIP20 shRNA Plasmid (m): sc-154279-SH, TIP20 shRNA (h) Lentiviral Particles: sc-97155-V and TIP20 shRNA (m) Lentiviral Particles: sc-154279-V.

Molecular Weight of TIP20: 40 kDa.

## 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) 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.

## 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](http://www.scbt.com) or our catalog for detailed protocols and support products.