

# TCERG1L (C-16): sc-244267

## BACKGROUND

TCERG1L (transcription elongation regulator 1-like protein) is a 586 amino acid protein that contains 2 FF domains and 2 WW domains. The gene that encodes TCERG1L contains just over 219,000 bases and maps to human chromosome 10q26.3. Spanning nearly 135 million base pairs and encoding nearly 1,200 genes, chromosome 10 makes up approximately 4.5% of the human genome. Several protein-coding genes, including those that encode chemokines, cadherins, excision repair proteins, early growth response factors (Egrs) and fibroblast growth receptors (FGFRs), are located on chromosome 10. Defects in some of the genes that map to chromosome 10 are associated with Charcot-Marie Tooth disease, Jackson-Weiss syndrome, Usher syndrome, nonsyndromic deafness, Wolman's syndrome, Cowden syndrome, Cockayne syndrome, multiple endocrine neoplasia type 2 and porphyria. Tetrahydrobiopterin deficiency and a number of syndromes involving defective skull and facial bone fusion are also linked to chromosome 10.

## REFERENCES

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2. Jabs, E.W., et al. 1994. Jackson-Weiss and Crouzon syndromes are allelic with mutations in fibroblast growth factor receptor 2. *Nat. Genet.* 8: 275-279.
3. Berger, P., et al. 2002. Molecular cell biology of Charcot-Marie-Tooth disease. *Neurogenetics* 4: 1-15.
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5. Martin, E.S., et al. 2007. Common and distinct genomic events in sporadic colorectal cancer and diverse cancer types. *Cancer Res.* 67: 10736-10743.
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8. Laugel, V., et al. 2010. Mutation update for the CSB/ERCC6 and CSA/ERCC8 genes involved in Cockayne syndrome. *Hum. Mutat.* 31: 113-126.
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## CHROMOSOMAL LOCATION

Genetic locus: TCERG1L (human) mapping to 10q26.3; Tcerg1l (mouse) mapping to 7 F4.

## SOURCE

TCERG1L (C-16) is an affinity purified goat polyclonal antibody raised against a peptide mapping near the C-terminus of TCERG1L 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-244267 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

## APPLICATIONS

TCERG1L (C-16) is recommended for detection of TCERG1L 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).

TCERG1L (C-16) is also recommended for detection of TCERG1L in additional species, including equine, porcine and avian.

Suitable for use as control antibody for TCERG1L siRNA (h): sc-90357, TCERG1L siRNA (m): sc-154135, TCERG1L shRNA Plasmid (h): sc-90357-SH, TCERG1L shRNA Plasmid (m): sc-154135-SH, TCERG1L shRNA (h) Lentiviral Particles: sc-90357-V and TCERG1L shRNA (m) Lentiviral Particles: sc-154135-V.

Molecular Weight of TCERG1L: 66 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.