

TBL3 (P-13): sc-160854

BACKGROUND

Transducin β -like protein 3 (TBL3), also known as WD-repeat protein SAZD, is an 808 amino acid protein and is a member of the WD40 repeat-containing protein family. Localized to the nucleus, TBL3 contains thirteen WD repeats, a motif known to mediate protein-protein interactions. The large group of WD40 repeat family of proteins are suggested to be involved in signal transduction, RNA processing, gene regulation, vesicular trafficking, cytoskeletal assembly and may play a role in the control of cytotypic differentiation. The gene encoding TBL3 contains multiple polyadenylation sites and is located on human chromosome 16, which encodes over 900 genes and comprises nearly 3% of the human genome. The GAN gene is located on chromosome 16 and, with mutation, may lead to giant axonal neuropathy, a nervous system disorder characterized by increasing malfunction with growth. The rare disorder Rubinstein-Taybi syndrome is also associated with chromosome 16, as is Crohn's disease, which is a gastrointestinal inflammatory condition.

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CHROMOSOMAL LOCATION

Genetic locus: TBL3 (human) mapping to 16p13.3; Tbl3 (mouse) mapping to 17 A3.3.

SOURCE

TBL3 (P-13) is an affinity purified goat polyclonal antibody raised against a peptide mapping near the C-terminus of TBL3 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-160854 P, (100 μ g peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

Available as TransCruz reagent for Gel Supershift and ChIP applications, sc-160854 X, 200 μ g/0.1 ml.

APPLICATIONS

TBL3 (P-13) is recommended for detection of TBL3 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); non cross-reactive with TBL1 or TBL2.

TBL3 (P-13) is also recommended for detection of TBL3 in additional species, including equine, canine, bovine and avian.

Suitable for use as control antibody for TBL3 siRNA (h): sc-93384, TBL3 siRNA (m): sc-154121, TBL3 shRNA Plasmid (h): sc-93384-SH, TBL3 shRNA Plasmid (m): sc-154121-SH, TBL3 shRNA (h) Lentiviral Particles: sc-93384-V and TBL3 shRNA (m) Lentiviral Particles: sc-154121-V.

TBL3 (P-13) X TransCruz antibody is recommended for Gel Supershift and ChIP applications.

Molecular Weight of TBL3: 89 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 or our catalog for detailed protocols and support products.