

TTLL13 (D-16): sc-244535

BACKGROUND

A large protein group known as the tubulin tyrosine ligase-like (TTL) family is implied to catalyze ligations of amino acids to tubulins and other substrates. Each member contains a characteristic TTL domain. TTLL13 (tubulin tyrosine ligase-like family, member 13) is a 815 amino acid protein that belongs to the tubulin—tyrosine ligase family. Containing one TTL domain, TTLL13 may act as a tubulin polyglutamylase that forms polyglutamate side chains on tubulin. TTLL13 exists as two alternatively spliced isoforms and is encoded by a gene located on human chromosome 15q26.1. Encoding more than 700 genes, chromosome 15 is made up of approximately 106 million base pairs and is about 3% of the human genome.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: TTLL13 (human) mapping to 15q26.1; Ttll13 (mouse) mapping to 7 D3.

SOURCE

TTLL13 (D-16) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of TTLL13 of human origin.

RESEARCH USE

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

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-244535 P, (100 μ g peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

TTLL13 (D-16) is recommended for detection of TTLL13 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 other TTLL family members.

TTLL13 (D-16) is also recommended for detection of TTLL13 in additional species, including equine.

Suitable for use as control antibody for TTLL13 siRNA (h): sc-90050, TTLL13 siRNA (m): sc-154790, TTLL13 shRNA Plasmid (h): sc-90050-SH, TTLL13 shRNA Plasmid (m): sc-154790-SH, TTLL13 shRNA (h) Lentiviral Particles: sc-90050-V and TTLL13 shRNA (m) Lentiviral Particles: sc-154790-V.

Molecular Weight of TTLL13 isoforms: 94/53 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.

PROTOCOLS

See our web site at www.scbt.com or our catalog for detailed protocols and support products.