SANTA CRUZ BIOTECHNOLOGY, INC.

WDR93 (T-17): sc-137938

SANTA CRUZ BIOTECHNOLOGY

The Power to Question

BACKGROUND

WD-repeats are motifs that are found in a variety of proteins and are characterized by a conserved core of 40-60 amino acids that commonly form a tertiary propeller structure. While proteins that contain WD-repeats participate in a wide range of cellular functions, they are generally involved in regulatory mechanisms concerning chromatin assembly, cell cycle control, signal transduction, RNA processing, apoptosis and vesicular trafficking. WDR93 (WD repeat-containing protein 93) is a 686 amino acid protein that contains one WD repeat and exists as 2 alternatively spliced isoforms. WDR93 is encoded by a gene that maps to human chromosome 15q26.1, which houses over 700 genes and comprises nearly 3% of the human genome. Angelman syndrome, Prader-Willi syndrome, Tay-Sachs disease and Marfan syndrome are all associated with defects in chromosome 15-localized genes.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: WDR93 (human) mapping to 15q26.1; Wdr93 (mouse) mapping to 7 D3.

SOURCE

WDR93 (T-17) is an affinity purified rabbit polyclonal antibody raised against a peptide mapping within an internal region of WDR93 of human origin.

PRODUCT

Each vial contains 100 µg IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-137938 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

WDR93 (T-17) is recommended for detection of WDR93 of mouse, rat and human origin by Western Blotting (starting dilution 1:100, dilution range 1:50-1:500), immunofluorescence (starting dilution 1:25, dilution range 1:25-1:250) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000); non cross-reactive with other WDR family members.

WDR93 (T-17) is also recommended for detection of WDR93 in additional species, including porcine.

Suitable for use as control antibody for WDR93 siRNA (h): sc-90231, WDR93 siRNA (m): sc-155330, WDR93 shRNA Plasmid (h): sc-90231-SH, WDR93 shRNA Plasmid (m): sc-155330-SH, WDR93 shRNA (h) Lentiviral Particles: sc-90231-V and WDR93 shRNA (m) Lentiviral Particles: sc-155330-V.

Molecular Weight of WDR93 isoforms: 77/74 kDa.

RECOMMENDED SECONDARY REAGENTS

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use goat anti-rabbit IgG-HRP: sc-2004 (dilution range: 1:2000-1:100,000) or Cruz Marker™ compatible goat anti-rabbit IgG-HRP: sc-2030 (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 goat anti-rabbit IgG-FITC: sc-2012 (dilution range: 1:100-1:400) or goat anti-rabbit IgG-TR: sc-2780 (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.