WDR61 (D-13): sc-104765



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. WDR61 (WD-repeat-containing protein 61), also known as SKI8 or REC14, is a 305 amino acid protein that contains 7 WD-repeats. WDR61 is a subunit of the human Ski and PAF complexes which function in downstream transcriptional regulation events, such as RNA surveillance.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: WDR61 (human) mapping to 15q25.1; Wdr61 (mouse) mapping to 9 A5.3.

SOURCE

WDR61 (D-13) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of WDR61 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-104765 P, ($100 \mu g$ peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

WDR61 (D-13) is recommended for detection of WDR61 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).

WDR61 (D-13) is also recommended for detection of WDR61 in additional species, including equine, canine, bovine and porcine.

Suitable for use as control antibody for WDR61 siRNA (h): sc-89952, WDR61 siRNA (m): sc-106705, WDR61 shRNA Plasmid (h): sc-89952-SH, WDR61 shRNA Plasmid (m): sc-106705-SH, WDR61 shRNA (h) Lentiviral Particles: sc-89952-V and WDR61 shRNA (m) Lentiviral Particles: sc-106705-V.

Molecular Weight of WDR61: 34 kDa.

Positive Controls: HeLa whole cell lysate: sc-2200.

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.



Try **WDR61 (WW-5): sc-100897,** our highly recommended monoclonal alternative to WDR61 (D-13).