

WDR92 (H-300): sc-135349

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. WDR92 (WD-repeat-containing protein 92), also known as WD repeat-containing protein Monad, is a 357 amino acid protein that contains 6 WD-repeats. Expressed in a variety of tissues, with highest levels present in testis, WDR92 is suggested to influence apoptosis. The gene encoding WDR92 maps to human chromosome 2, which houses over 1,400 genes and comprises nearly 8% of the human genome and comprises nearly 8% of the human genome. A number of genetic diseases are linked to genes on chromosome 2 including Harlequin ichthyosis, sitosterolemia and Alström syndrome.

REFERENCES

1. Van der Voorn, L., et al. 1992. The WD-40 repeat. FEBS Lett. 307: 131-134.
2. Neer, E.J., et al. 1994. The ancient regulatory-protein family of WD-repeat proteins. Nature 371: 297-300.

CHROMOSOMAL LOCATION

Genetic locus: WDR92 (human) mapping to 2p14; Wdr92 (mouse) mapping to 11 A2.

SOURCE

WDR92 (H-300) is a rabbit polyclonal antibody raised against amino acids 1-300 mapping at the N-terminus of WDR92 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.

APPLICATIONS

WDR92 (H-300) is recommended for detection of WDR92 of mouse, rat and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 µg per 100-500 µg of total protein (1 ml of cell lysate)], 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).

WDR92 (H-300) is also recommended for detection of WDR92 in additional species, including equine, canine, bovine and porcine.

Suitable for use as control antibody for WDR92 siRNA (h): sc-94404, WDR92 siRNA (m): sc-155329, WDR92 shRNA Plasmid (h): sc-94404-SH, WDR92 shRNA Plasmid (m): sc-155329-SH, WDR92 shRNA (h) Lentiviral Particles: sc-94404-V and WDR92 shRNA (m) Lentiviral Particles: sc-155329-V.

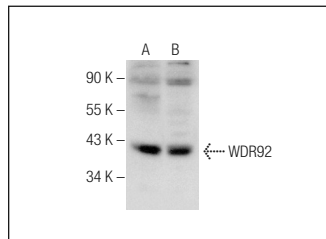
Molecular Weight of WDR92: 40 kDa.

Positive Controls: AN3 CA cell lysate: sc-24662, HL-60 whole cell lysate: sc-2209 or Sol8 nuclear extract: sc-2157.

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) Immunoprecipitation: use Protein A/G PLUS-Agarose: sc-2003 (0.5 ml agarose/2.0 ml). 3) 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.

DATA



WDR92 (H-300): sc-135349. Western blot analysis of WDR92 expression in HL-60 (A) and AN3 CA (B) whole cell lysates.

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.

MONOS
Satisfaction
Guaranteed

Try **WDR92 (E-10): sc-376734** or **WDR92 (D-4): sc-393131**, our highly recommended monoclonal alternatives to WDR92 (H-300).