

WDR13 (D-22): sc-102157

BACKGROUND

WD repeat containing protein 13 (WDR13) is a 485 amino acid protein that is widely expressed in various adult and fetal tissues. 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. The gene encoding WDR13, which maps to chromosome Xp11.23, contains 9 exons, 8 introns and 6 WD-repeats. The sub-cellular localization of the WDR13 protein in the nucleus suggests that it may have a regulatory function. Two isoforms of this protein exist as a result of alternative splicing events.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: WDR13 (human) mapping to Xp11.23; Wdr13 (mouse) mapping to X A1.1.

SOURCE

WDR13 (D-22) is a purified rabbit polyclonal antibody raised against WDR13 of human origin.

PRODUCT

Each vial contains 100 µg of IgG in PBS with < 0.1% sodium azide, 0.1% gelatin and < 0.02% sucrose.

APPLICATIONS

WDR13 (D-22) is recommended for detection of WDR13 of mouse, rat, human and dog 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)] and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

Suitable for use as control antibody for WDR13 siRNA (h): sc-91315, WDR13 siRNA (m): sc-155258, WDR13 shRNA Plasmid (h): sc-91315-SH, WDR13 shRNA Plasmid (m): sc-155258-SH, WDR13 shRNA (h) Lentiviral Particles: sc-91315-V and WDR13 shRNA (m) Lentiviral Particles: sc-155258-V.

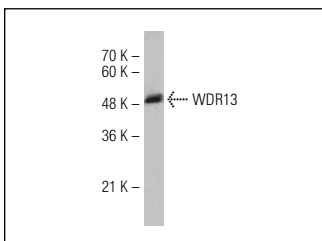
Molecular Weight of WDR13: 53 kDa.

Positive Controls: Jurkat whole cell lysate: sc-2204 or WDR13 (m): 293T Lysate: sc-124608.

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).

DATA



WDR13 (D-22): sc-102157. Western blot analysis of WDR13 expression in Jurkat whole cell lysate.

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.

MONOS
Satisfaction
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Try **WDR13 (1G9): sc-517175**, our highly recommended monoclonal alternative to WDR13 (D-22).