**WDR1 (B-8): sc-393130**

**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, which 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 involving signal transduction, apoptosis, transcriptional regulation, cell cycle control. WD repeats serve as sites for protein-protein interaction and some seem to mediate the assembly of protein complexes. With 11 WD repeats, WDR1 (WD repeat domain 1), also known as AIP1 or NORI-1, is a 606 amino acid protein that localizes to the cytoskeleton and is a member of the WD repeat AIP1 family. Existing as two alternatively spliced isoforms, WDR1 induces disassembly of actin filaments in conjunction with ADF/cofilin family proteins.

**REFERENCES**


**CHROMOSOMAL LOCATION**

Genetic locus: WDR1 (human) mapping to 4p16.1; Wdr1 (mouse) mapping to 5 B3.

**SOURCE**

WDR1 (B-8) is a mouse monoclonal antibody raised against amino acids 425-606 mapping at the C-terminus of WDR1 of human origin.

**PRODUCT**

Each vial contains 200 µg IgG1 kappa light chain in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

**STORAGE**

Store at 4°C, **DO NOT FREEZE**. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

**APPLICATIONS**

WDR1 (B-8) is recommended for detection of WDR1 of mouse, rat and human origin by Western Blotting (starting dilution 1:100, 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), immunohistochemistry (including paraffin-embedded sections) (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

Suitable for use as control antibody for WDR1 siRNA (h): sc-89063, WDR1 siRNA (m): sc-155255, WDR1 shRNA Plasmid (h): sc-89063-SH, WDR1 shRNA Plasmid (m): sc-155255-SH, WDR1 shRNA (h) Lentiviral Particles: sc-89063-V and WDR1 shRNA (m) Lentiviral Particles: sc-155255-V.

Molecular Weight of WDR1: 67 kDa.

Positive Controls: Raji whole cell lysate: sc-364236, C2C12 whole cell lysate: sc-364188 or SolB cell lysate: sc-2249.

**RECOMMENDED SUPPORT REAGENTS**

To ensure optimal results, the following support reagents are recommended: 1) Western Blotting: use m-IgG1 BP-HRP: sc-516102 or m-IgG1 BP-HRP (Cruz Marker): sc-516102-CM (dilution range: 1:1000-1:10000), Cruz Marker™ Molecular Weight Standards: sc-2035, UltraCruz® Blocking Reagent: sc-516214 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 m-IgG1 BP-FITC: sc-516140 or m-IgG1 BP-PE: sc-516141 (dilution range: 1:50-1:200) with UltraCruz® Mounting Medium: sc-24941 or UltraCruz® Hard-set Mounting Medium: sc-359850. 4) Immunohistochemistry: use m-IgG1 BP-HRP: sc-516102 with DAB, 50X: sc-24982 and Immunohistomount: sc-45086, or Organo/Limonene Mount: sc-450B7.

**DATA**

![Image](https://example.com/data.png)

**SELECT PRODUCT CITATIONS**


**RESEARCH USE**

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