

WDR17 (C-18): sc-162398

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. WDR17 (WD repeat domain 17) is a 1,322 amino acid protein containing WD repeats, which is expressed in testis and retina and is found at lower levels in brain, colon, thymus, bone marrow, uterus and skeletal muscle. Possibly involved in retinal development, WDR17 is encoded by a gene located on human chromosome 4, which represents approximately 6% of the human genome, contains nearly 900 genes and is associated with Huntington's disease, Ellis-van Creveld syndrome, methylmalonic acidemia and polycystic kidney disease.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: WDR17 (human) mapping to 4q34.2; Wdr17 (mouse) mapping to 8 B1.3.

SOURCE

WDR17 (C-18) is an affinity purified goat polyclonal antibody raised against a peptide mapping near the C-terminus of WDR17 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-162398 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

WDR17 (C-18) is recommended for detection of WDR17 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); non cross-reactive with other WDR family members.

WDR17 (C-18) is also recommended for detection of WDR17 in additional species, including equine, canine, bovine and porcine.

Suitable for use as control antibody for WDR17 siRNA (h): sc-88867, WDR17 siRNA (m): sc-155260, WDR17 shRNA Plasmid (h): sc-88867-SH, WDR17 shRNA Plasmid (m): sc-155260-SH, WDR17 shRNA (h) Lentiviral Particles: sc-88867-V and WDR17 shRNA (m) Lentiviral Particles: sc-155260-V.

Molecular Weight of WDR17: 148 kDa.

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.