SANTA CRUZ BIOTECHNOLOGY, INC.

RWDD2A (C-15): sc-240843

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The Power to Question

BACKGROUND

RWDD2A (RWD domain containing 2A), also known as RWDD2, is a 292 amino acid protein that contains one RWD domain, a conserved region of about 110 amino acid residues. RWD domains are found in many RING finger proteins, DEAD-like helicases and WD repeat containing proteins. It is believed that RWD domains may be involved in protein interaction. The gene encoding RWDD2A maps to human chromosome 6, which contains 170 million base pairs and comprises nearly 6% of the human genome. Deletion of a portion of the q arm of chromosome 6 is associated with early onset intestinal cancer, suggesting the presence of a cancer susceptibility locus. Additionally, Porphyria cutanea tarda, Parkinson's disease, Stickler syndrome and a susceptibility to bipolar disorder are all associated with genes that map to chromosome 6.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: RWDD2A (human) mapping to 6q14.2; Rwdd2a (mouse) mapping to 9 E3.1.

SOURCE

RWDD2A (C-15) is an affinity purified goat polyclonal antibody raised against a peptide mapping near the C-terminus of RWDD2A 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-240843 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

RWDD2A (C-15) is recommended for detection of RWDD2A 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 RWDD2B.

RWDD2A (C-15) is also recommended for detection of RWDD2A in additional species, including equine, canine, bovine, porcine and avian.

Suitable for use as control antibody for RWDD2A siRNA (h): sc-95201, RWDD2A siRNA (m): sc-153181, RWDD2A shRNA Plasmid (h): sc-95201-SH, RWDD2A shRNA Plasmid (m): sc-153181-SH, RWDD2A shRNA (h) Lentiviral Particles: sc-95201-V and RWDD2A shRNA (m) Lentiviral Particles: sc-153181-V.

Molecular Weight of RWDD2A: 34 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.