DDRGK1 (G-17): sc-85328



The Power to Question

BACKGROUND

DDRGK1 (DDRGK domain-containing protein 1), also known as C20orf116, is a 314 amino acid secreted protein. DDRGK1 contains one PCI domain and is expressed as two isoforms produced by alternative splicing. The gene that encodes DDRGK1 maps to human chromosome 20, which represents about 2% of human DNA and consists of approximately 63 million bases and 600 genes. Chromosome 20 contains a region with numerous genes expressed in the epididymis, which are thought to be important for seminal production. The PRNP gene encoding the prion protein associated with spongiform encephalopathies, like Creutzfeldt-Jakob disease, is found on chromosome 20. Amyotrophic lateral sclerosis, spinal muscular atrophy, ring chromosome 20 epilepsy syndrome and Alagille syndrome are also associated with chromosome 20.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: DDRGK1 (human) mapping to 20p13; Ddrgk1 (mouse) mapping to 2 F1.

SOURCE

DDRGK1 (G-17) is an affinity purified rabbit polyclonal antibody raised against a peptide mapping within an internal region of DDRGK1 of human origin.

PRODUCT

Each vial contains 100 μg IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-85328 P, (100 μ g peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

DDRGK1 (G-17) is recommended for detection of DDRGK1 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).

Suitable for use as control antibody for DDRGK1 siRNA (h): sc-72698, DDRGK1 siRNA (m): sc-141855, DDRGK1 shRNA Plasmid (h): sc-72698-SH, DDRGK1 shRNA Plasmid (m): sc-141855-SH, DDRGK1 shRNA (h) Lentiviral Particles: sc-72698-V and DDRGK1 shRNA (m) Lentiviral Particles: sc-141855-V.

Molecular Weight of DDRGK1: 35 kDa.

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) 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.

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.

Santa Cruz Biotechnology, Inc. 1.800.457.3801 831.457.3801 **Europe** +00800 4573 8000 49 6221 4503 0 **www.scbt.com**