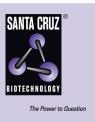
SANTA CRUZ BIOTECHNOLOGY, INC.

VSIG8 (C-19): sc-249282



BACKGROUND

VSIG8 (V-set and immunoglobulin domain-containing protein 8), also known as C1orf204, is a 414 amino acid single-pass type I membrane protein that contains 2 Ig-like V-type (immunoglobulin-like) domains. VSIG8 exists as two alternatively spliced isoforms and is encoded by a gene mapping to human chromosome 1q23.2. Chromosome 1 is the largest human chromosome spanning about 260 million base pairs and making up 8% of the human genome. The rare aging disease Hutchinson-Gilford progeria is associated with the LMNA gene which encodes lamin A. When defective, the LMNA gene product can build up in the nucleus and cause characteristic nuclear blebs. The MUTYH gene is located on chromosome 1 and is partially responsible for familial adenomatous polyposis. Stickler syndrome, Parkinsons, Gaucher disease and Usher syndrome are also associated with chromosome 1. A breakpoint has been identified in 1q which disrupts the DISC1 gene and is linked to schizophrenia.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: VSIG8 (human) mapping to 1q23.2.

SOURCE

VSIG8 (C-19) is an affinity purified goat polyclonal antibody raised against a peptide mapping within a C-terminal cytoplasmic domain of VSIG8 of human origin.

STORAGE

Store at 4° C, **D0 NOT FREEZE**. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

PRODUCT

Each vial contains 200 μg lgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-249282 P, (100 μ g peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

VSIG8 (C-19) is recommended for detection of VSIG8 of 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 VSIG family members.

VSIG8 (C-19) is also recommended for detection of VSIG8 in additional species, including canine and porcine.

Suitable for use as control antibody for VSIG8 siRNA (h): sc-78695, VSIG8 shRNA Plasmid (h): sc-78695-SH and VSIG8 shRNA (h) Lentiviral Particles: sc-78695-V.

Molecular Weight of VSIG8 isoforms 1/2: 44/25 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) Immunofluo-rescence: 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.

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.