

# SRRM3 (G-20): sc-248714

## BACKGROUND

SRRM3 (serine/arginine repetitive matrix protein 3) is a 597 amino acid protein that belongs to the CWC21 family. The gene that encodes SRRM3 maps to human chromosome 7q11.23. Chromosome 7, which houses over 1,000 genes and comprises nearly 5% of the human genome, has been linked to osteogenesis imperfecta, Pendred syndrome, lissencephaly, citrullinemia and Shwachman-Diamond syndrome. The deletion of a portion of the q arm of chromosome 7 is associated with Williams-Beuren syndrome, a condition characterized by mild mental retardation, an unusual comfourt and friendliness with strangers and an elfin appearance. Deletion of portions of the q arm of chromosome 7 are also seen in a number of myeloid disorders including cases of acute myelogenous leukemia and myelodysplasia.

## REFERENCES

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## CHROMOSOMAL LOCATION

Genetic locus: SRRM3 (human) mapping to 7q11.23; Srrm3 (mouse) mapping to 5 G2.

## SOURCE

SRRM3 (G-20) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of SRRM3 of human origin.

## STORAGE

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

## PRODUCT

Each vial contains 200  $\mu$ g IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-248714 P, (100  $\mu$ g peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

## APPLICATIONS

SRRM3 (G-20) is recommended for detection of SRRM3 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 SRRM4 or SRRM5.

SRRM3 (G-20) is also recommended for detection of SRRM3 in additional species, including canine, bovine and avian.

Suitable for use as control antibody for SRRM3 siRNA (m): sc-108878, SRRM3 shRNA Plasmid (m): sc-108878-SH and SRRM3 shRNA (m) Lenti-viral Particles: sc-108878-V.

Molecular Weight of SRRM3: 65 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.

## RESEARCH USE

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

## PROTOCOLS

See our web site at [www.scbt.com](http://www.scbt.com) or our catalog for detailed protocols and support products.