BACKGROUND
The RGSL1, RGSL6 and RGSL8 genes within the 1q25.3 region belong to the novel family of regulators of G protein signaling (RGS) genes, which increase the GTPase activity of the Gα subunit to attenuate signaling from the G protein-coupled receptor. RGSL1 (regulator of G protein signaling like 1) is a 1,076 amino acid multi-pass membrane protein that contains one RGS domain. The RGSL1 protein exhibits high expression in testis with lower expression in bone marrow and prostate. The 1q25.3 region is said to be highly unstable in breast cancer. Mutations in RGSL1 gene have been found in breast cancer. Existing as six alternatively spliced isoforms, the RGSL1 gene is conserved in chimpanzee, canine, bovine, mouse, rat, chicken and zebrafish. The RGSL1 gene contains 15 exons and spans 67.1 kb.

REFERENCES

CHROMOSOMAL LOCATION
Genetic locus: RGSL1 (human) mapping to 1q25.3; Rgs1 (mouse) mapping to 1G3.

SOURCE
RGSL1 (M-18) is an affinity purified goat polyclonal antibody raised against a peptide mapping near the C-terminus of RGSL1 of mouse 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 µg IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.
Blocking peptide available for competition studies, sc-248424 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS
RGSL1 (M-18) is recommended for detection of RGSL1 of mouse 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 1:30-1:300).

Chromosomal Location: RGSL1 (M-18) is affinity purified goat polyclonal antibody raised against a peptide mapping near the C-terminus of RGSL1 of mouse origin.

REFERENCES