# EVGI (P-16): sc-86438



The Power to Question

#### **BACKGROUND**

EVGI is a 217 amino acid protein that belongs to the UPF0193 (EVG1) family. The EVGI gene is conserved in chimpanzee, canine, bovine, mouse, rat, chicken and zebrafish, and maps to human chromosome 22q13.1. Chromosome 22 contains over 500 genes and about 49 million bases. Being the second smallest human chromosome 22, contains a surprising variety of interesting genes. Phelan-McDermid syndrome, neurofibromatosis type 2 and autism are associated with chromosome 22. A schizophrenia susceptibility locus has been identified on chromosome 22 and studies show that 22q13.1 deletion symptoms include a high incidence of schizophrenia. Translocations between chromosomes 9 and 22 may lead to the formation of the Philadelphia Chromo-some and the subsequent production of the novel fusion protein, Bcr-AbI, a potent cell proliferation activator found in several types of leukemia.

# **REFERENCES**

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### **CHROMOSOMAL LOCATION**

Genetic locus: C22orf23 (human) mapping to 22q13.1.

## **SOURCE**

EVGI (P-16) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of EVGI of human origin.

#### **PRODUCT**

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

Blocking peptide available for competition studies, sc-86438 P, (100  $\mu$ g peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

### **APPLICATIONS**

EVGI (P-16) is recommended for detection of EVGI 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).

EVGI (P-16) is also recommended for detection of EVGI in additional species, including equine, canine and bovine.

Suitable for use as control antibody for EVGI siRNA (h): sc-77293, EVGI shRNA Plasmid (h): sc-77293-SH and EVGI shRNA (h) Lentiviral Particles: sc-77293-V.

Molecular Weight of EVGI: 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) Immunofluorescence: use donkey anti-goat IgG-FITC: sc-2024 (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.

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