

# SUSD6 (L-18): sc-247249

## BACKGROUND

SUSD6 (sushi domain containing 6), also known as KIAA0247 or DRAGO (drug-activated gene overexpressed protein), is a 303 amino acid single-pass type I membrane protein that contains one Sushi (CCP/SCR) domain and may play a part in growth-suppressive activity and cell death. SUSD6 is upregulated by treatment with DNA-damaging, cytotoxic agents and LPS (lipopolysaccharide). The gene encoding SUSD6 maps to human chromosome 14, which contains about 700 genes, 106 million base pairs and makes up about 3.5% of human cellular DNA. Chromosome 14 encodes the presenilin 1 (PSEN1) gene, which is one of the three key genes associated with the development of Alzheimer's disease. The SERPINA1 gene is located on chromosome 14 and when defective leads to the genetic disorder  $\alpha$ 1-antitrypsin deficiency. This disorder is characterized by severe lung complications and liver dysfunction. Notably, the immunoglobulin heavy chain locus is found on chromosome 14 and has been identified as a fusion with the chromosome 19 encoded protein Bcl3 in the (14;19) translocations found in a variety of B cell malignancies.

## REFERENCES

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## CHROMOSOMAL LOCATION

Genetic locus: SUSD6 (human) mapping to 14q24.1.

## SOURCE

SUSD6 (L-18) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an extracellular domain of SUSD6 of human origin.

## 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-247249 P, (100  $\mu$ g peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

## APPLICATIONS

SUSD6 (L-18) is recommended for detection of SUSD6 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).

SUSD6 (L-18) is also recommended for detection of SUSD6 in additional species, including equine, canine, bovine and porcine.

Suitable for use as control antibody for SUSD6 siRNA (h): sc-92439, SUSD6 shRNA Plasmid (h): sc-92439-SH and SUSD6 shRNA (h) Lentiviral Particles: sc-92439-V.

Molecular Weight of SUSD6: 32 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.

## 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](http://www.scbt.com) or our catalog for detailed protocols and support products.