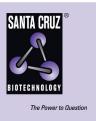
# SANTA CRUZ BIOTECHNOLOGY, INC.

# Trp53i13 (S-17): sc-246481



BACKGROUND

Trp53i13 (tumor protein p53-inducible protein 13), also known as Tp53i13, is a 385 amino acid cytoplasmic and single-pass type I membrane protein of mouse origin. When overexpressed, Trp53i13 acts to inhibit tumor cell growth. The human homolog for this protein is DSCP1 (damage-stimulated cytoplasmic protein 1), also known as TP53I13 (tumor protein p53-inducible protein 13). DSCP1 is a 393 amino acid protein that may act as a tumor supressor, and is up-regulated by genotoxic stresses of adriamycin and/or UV irradiation in a p53-dependent manner. The genes that encode DSCP1 and Trp53i13 map to human chromosome 17q11.2 and mouse chromosome 11 B5, respectively. Consisting of approximately 122 million bases, mouse chromosome 11 houses more than 2,000 genes.

### REFERENCES

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#### CHROMOSOMAL LOCATION

Genetic locus: Trp53i13 (mouse) mapping to 11 B5.

#### SOURCE

Trp53i13 (S-17) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an extracellular domain of Trp53i13 of mouse origin.

### **RESEARCH USE**

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

# 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-246481 P, (100  $\mu$ g peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

## **APPLICATIONS**

Trp53i13 (S-17) is recommended for detection of Trp53i13 of mouse 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).

Suitable for use as control antibody for Trp53i13 siRNA (m): sc-154690, Trp53i13 shRNA Plasmid (m): sc-154690-SH and Trp53i13 shRNA (m) Lentiviral Particles: sc-154690-V.

Molecular Weight of Trp53i13: 42 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-TR: sc-2783 (dilution range: 1:100-1:400) with UltraCruz™ Mounting Medium: sc-24941.

## **STORAGE**

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

#### PROTOCOLS

See our web site at www.scbt.com or our catalog for detailed protocols and support products.