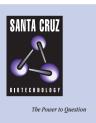
# SANTA CRUZ BIOTECHNOLOGY, INC.

# CTS9 (V-20): sc-67615



#### BACKGROUND

CTS9, also known as DEC1 (deleted in esophageal cancer 1), is a 70 amino acid protein that is encoded by a candidate tumor suppressor gene (TSG) located on chromosome 9. Found in a region commonly deleted in esophageal squamous cell carcinoma (ESCC), CTS9 is able to suppress cancer cell growth *in vitro*. CTS9 is widely expressed with highest expression in the testis and prostate. Its reduced or absent expression in ESCC suggests a possible role in normal cell growth, development or signaling. CTS9 has a high loss of heterozygosity (LOH) frequency that is common in squamous cell carcinomas of the bladder, head, neck and esophagus.

#### REFERENCES

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## CHROMOSOMAL LOCATION

Genetic locus: DEC1 (human) mapping to 9q32.

#### SOURCE

CTS9 (V-20) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of CTS9 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-67615 P, (100  $\mu$ g peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

Available as TransCruz reagent for Gel Supershift and ChIP applications, sc-67615 X, 200  $\mu$ g/0.1 ml.

## **APPLICATIONS**

CTS9 (V-20) is recommended for detection of CTS9 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).

Suitable for use as control antibody for CTS9 siRNA (h): sc-62204.

CTS9 (V-20) X TransCruz antibody is recommended for Gel Supershift and ChIP applications.

Molecular Weight of CTS9: 8 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, \*\*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.