SANTA CRUZ BIOTECHNOLOGY, INC.

CTU1 (V-17): sc-241205



Der American Gerorier

BACKGROUND

CTU1 (cytosolic thiouridylase subunit 1), also known as ATPBD3 (ATP-binding domain-containing protein 3) or NCS6, is a 348 amino acid protein that is encoded by a gene which maps to chromosome 19. Chromosome 19, which consists of over 63 million bases, houses approximately 1,400 genes and is recognized for having the greatest gene density of the human chromosomes. It is the genetic home for a number of immunoglobulin (Ig) superfamily members, including the killer cell and leukocyte Ig-like receptors, a number of ICAMs, the CEACAM and PSG family and Fc receptors (FcRs). Key genes for eye color and hair color also map to chromosome 19.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: CTU1 (human) mapping to 19q13.41; Ctu1 (mouse) mapping to 7 B4.

SOURCE

CTU1 (V-17) is an affinity purified goat polyclonal antibody raised against a peptide mapping within a cytoplasmic domain of CTU1 of human 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 lgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-241205 P, (100 μ g peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

CTU1 (V-17) is recommended for detection of CTU1 of mouse, rat 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 1:30-1:3000); non cross-reactive with CTU2.

CTU1 (V-17) is also recommended for detection of CTU1 in additional species, including bovine and porcine.

Suitable for use as control antibody for CTU1 siRNA (h): sc-97487, CTU1 siRNA (m): sc-141372, CTU1 shRNA Plasmid (h): sc-97487-SH, CTU1 shRNA Plasmid (m): sc-141372-SH, CTU1 shRNA (h) Lentiviral Particles: sc-97487-V and CTU1 shRNA (m) Lentiviral Particles: sc-141372-V.

Molecular Weight of CTU1: 36 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-FITC: sc-2783 (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.

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.