

CRAMP1L (S-19): sc-246336

BACKGROUND

CRAMP1L (cramped-like 1), also known as hematopoietic- and neurologic-expressed sequence 1-like protein (HN1L) or T-complex expressed protein 4 (TCE4), is a 1,269 amino acid protein localized to the nucleus and cytoplasm. CRAMP1L is a putative DNA binding protein and is expressed in a variety of tissues, such as liver, kidney, prostate, testis and uterus, at varying levels. CRAMP1L is highly conserved in vertebrates, and at least three CRAMP1L pseudogenes have been identified in the genomes of human, mouse and rat. Three isoforms of CRAMP1L exist as a result of alternative splicing events.

REFERENCES

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- Satish, L., Abdulally, A., Oswald, D., Johnson, S., Hu, F.Z., Post, J.C., Ehrlich, G.D. and Kathju, S. 2008. Differential expression of chaperonin containing T-complex polypeptide (CCT) subunits during fetal and adult skin wound healing. *Cell Stress Chaperones* 13: 527-533.

CHROMOSOMAL LOCATION

Genetic locus: CRAMP1L (human) mapping to 16p13.3; Cramp1l (mouse) mapping to 17 A3.3.

SOURCE

CRAMP1L (S-19) is an affinity purified goat polyclonal antibody raised against a peptide mapping near the C-terminus of CRAMP1L of human origin.

PRODUCT

Each vial contains 200 µg IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-246336 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

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.

APPLICATIONS

CRAMP1L (S-19) is recommended for detection of CRAMP1L 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).

CRAMP1L (S-19) is also recommended for detection of CRAMP1L in additional species, including equine, canine, bovine, porcine and avian.

Suitable for use as control antibody for CRAMP1L siRNA (h): sc-93051, CRAMP1L siRNA (m): sc-142558, CRAMP1L shRNA Plasmid (h): sc-93051-SH, CRAMP1L shRNA Plasmid (m): sc-142558-SH, CRAMP1L shRNA (h) Lentiviral Particles: sc-93051-V and CRAMP1L shRNA (m) Lentiviral Particles: sc-142558-V.

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.

PROTOCOLS

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