

CCZ1 (E-14): sc-242244



The Power to Question

BACKGROUND

CCZ1, also known as CCZ1 vacuolar protein trafficking and biogenesis associated homolog (*S. cerevisiae*), CCZ1A, CCZ1B or CGI-43, is a 482 amino acid protein that localizes to the lysosomal membrane and belongs to the CCZ1 family. CCZ1 is encoded by a gene that maps to human chromosome 7, which houses over 1,000 genes and comprises nearly 5% of the human genome. Chromosome 7 has been linked to osteogenesis imperfecta, Pendred syndrome, lissencephaly, citrullinemia and Shwachman-Diamond syndrome.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: CCZ1 (human) mapping to 7p22.1; Ccz1 (mouse) mapping to 5 G2.

SOURCE

CCZ1 (E-14) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of CCZ1 of human origin.

PRODUCT

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

Blocking peptide available for competition studies, sc-242244 P, (100 μ g peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

CCZ1 (E-14) is recommended for detection of CCZ1 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).

CCZ1 (E-14) is also recommended for detection of CCZ1 in additional species, including equine, canine, bovine, porcine and avian.

Suitable for use as control antibody for CCZ1 siRNA (h): sc-89522, CCZ1 siRNA (m): sc-141390, CCZ1 shRNA Plasmid (h): sc-89522-SH, CCZ1 shRNA Plasmid (m): sc-141390-SH, CCZ1 shRNA (h) Lentiviral Particles: sc-89522-V and CCZ1 shRNA (m) Lentiviral Particles: sc-141390-V.

Molecular Weight of CCZ1: 56 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 or our catalog for detailed protocols and support products.



Try **CCZ1 (B-7): sc-514290**, our highly recommended monoclonal alternative to CCZ1 (E-14).