SANTA CRUZ BIOTECHNOLOGY, INC.

LZTR1 (L-16): sc-86720



BACKGROUND

LZTR1, leucine-zipper-like transcriptional regulator 1, is a member of the BTB-kelch superfamily. LZTR1 contains two BTB (POZ) domains and six kelch repeats. The BTB (broad-complex, tramtrack and bric a brac) domain, also known as the POZ (poxvirus and zinc finger) domain, is an N-terminal homod-imerization domain that contains multiple copies of kelch repeats and/or C_2H_2 -type zinc fingers. Proteins that contain BTB domains are thought to be involved in transcriptional regulation via control of chromatin structure and function. LZTR1 is believed to function as a transcriptional regulator during embryogenesis. LZTR1 is expressed in fetal brain, heart, kidney, liver and lung and is found exclusively on the cytoplasmic surface of the Golgi network. LZTR1 likely contributes to the etiology of velocardiofacial/DiGeorge syndrome, as the LZTR1 gene lies within a chromosomal deletion region associated with the disease.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: LZTR1 (human) mapping to 22q11.21; Lztr1 (mouse) mapping to 16 A3.

SOURCE

LZTR1 (L-16) is an affinity purified goat polyclonal antibody raised against a peptide mapping near the N-terminus of LZTR1 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 μ g lgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.n Also available as TransCruz reagent for Gel Supershift and ChIP applications, sc-86720 X, 200 μ g/0.1 ml.

Blocking peptide available for competition studies, sc-86720 P, (100 μ g peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

LZTR1 (L-16) is recommended for detection of LZTR1 of mouse, rat and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 μ g per 100-500 μ g of total protein (1 ml of cell lysate)], 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).

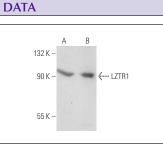
LZTR1 (L-16) is also recommended for detection of LZTR1 in additional species, including equine, canine, bovine and porcine.

Suitable for use as control antibody for LZTR1 siRNA (h): sc-75720, LZTR1 siRNA (m): sc-149200, LZTR1 shRNA Plasmid (h): sc-75720-SH, LZTR1 shRNA Plasmid (m): sc-149200-SH, LZTR1 shRNA (h) Lentiviral Particles: sc-75720-V and LZTR1 shRNA (m) Lentiviral Particles: sc-149200-V.

LZTR1 (L-16) X TransCruz antibody is recommended for Gel Supershift and ChIP applications.

Molecular Weight of LZTR1: 94 kDa.

Positive Controls: HeLa whole cell lysate: sc-2200, WI-38 whole cell lysate: sc-364260 or KNRK whole cell lysate: sc-2214.



LZTR1 (L-16): sc-86720. Western blot analysis of LZTR1 expression in HeLa (A) and KNRK (B) whole cell lysates.

RESEARCH USE

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

MONOS Satisfation Guaranteed

Try LZTR1 (E-12): sc-390166 or LZTR1 (D-1): sc-390731, our highly recommended monoclonal alternatives to LZTR1 (L-16).