

LZTFL1 (FL-299): sc-292641

BACKGROUND

LZTFL1 (Leucine zipper transcription factor-like protein 1) is a 299 amino acid protein that shares 90% sequence identity with its mouse counterpart. While LZTFL1 is expressed in liver, brain, lung and kidney during early development, it is found in testis, heart, thymus, pancreas, ovary, prostate, colon, skeletal muscle and small intestine in adult tissues. LZTFL1 has a leucine zipper pattern and several coiled-coil domains, suggesting a possible role in transcriptional regulation. The gene encoding LZTFL1 is located in a tumor suppressor region on chromosome 3, indicating that LZTFL1 may be a potential tumor suppressor. Two isoforms of LZTFL1 exist due to alternative polyadenylation events.

REFERENCES

1. Busch, S.J. and Sassone-Corsi, P. 1990. Dimers, leucine zippers and DNA-binding domains. *Trends Genet.* 6: 36-40.
2. Kiss, H., et al. 2001. The LZTFL1 gene is a part of a transcriptional map covering 250 kb within the common eliminated region 1 (C3CER1) in 3p21.3. *Genomics* 73: 10-19.
3. Strausberg, R.L., et al. 2002. Generation and initial analysis of more than 15,000 full-length human and mouse cDNA sequences. *Proc. Natl. Acad. Sci. USA* 99: 16899-16903.
4. Online Mendelian Inheritance in Man, OMIM™. 2002. Johns Hopkins University, Baltimore, MD. MIM Number: 606568. World Wide Web URL: <http://www.ncbi.nlm.nih.gov/omim/>
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CHROMOSOMAL LOCATION

Genetic locus: LZTFL1 (human) mapping to 3p21.31; Lztf1 (mouse) mapping to 9 F4.

SOURCE

LZTFL1 (FL-299) is a rabbit polyclonal antibody raised against amino acids 1-299 representing full length LZTFL1 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. Also available as TransCruz reagent for Gel Supershift and ChIP applications, sc-292641 X, 200 µg/0.1 ml.

STORAGE

Store at 4° C, ****DO NOT FREEZE****. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

PROTOCOLS

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

APPLICATIONS

LZTFL1 (FL-299) is recommended for detection of LZTFL1 of mouse, rat and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 µg per 100-500 µg 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).

LZTFL1 (FL-299) is also recommended for detection of LZTFL1 in additional species, including equine, canine, bovine and porcine.

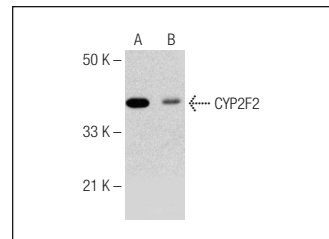
Suitable for use as control antibody for LZTFL1 siRNA (h): sc-77961, LZTFL1 siRNA (m): sc-149199, LZTFL1 shRNA Plasmid (h): sc-77961-SH, LZTFL1 shRNA Plasmid (m): sc-149199-SH, LZTFL1 shRNA (h) Lentiviral Particles: sc-77961-V and LZTFL1 shRNA (m) Lentiviral Particles: sc-149199-V.

LZTFL1 (FL-299) X TransCruz antibody is recommended for Gel Supershift and ChIP applications.

Molecular Weight of LZTFL1: 35 kDa.

Positive Controls: HeLa whole cell lysate: sc-2200, Hs 181 Tes whole cell lysate: sc-364779 or Jurkat whole cell lysate: sc-2204.

DATA



LZTFL1 (FL-299): sc-292641. Western blot analysis of LZTFL1 expression in Jurkat (A) and Hs 181 Tes (B) whole cell lysates.

RESEARCH USE

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

MONOS
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Try **LZTFL1 (C-6): sc-376022** or **LZTFL1 (1): sc-101533**, our highly recommended monoclonal alternatives to LZTFL1 (FL-299).