Datasheet for ABIN7599520

anti-LZTS2 antibody (AA 1-669)

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Overview

Quantity:	100 µg
Target:	LZTS2
Binding Specificity:	AA 1-669
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This LZTS2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Flow Cytometry (FACS), Immunocytochemistry (ICC)

Product Details

Purpose:	Anti-LZTS2 Antibody Picoband®
Immunogen:	E.coli-derived human LZTS2 recombinant protein (Position: M1-I669). Human LZTS2 shares 91.7% and 90.5% amino acid (aa) sequence identity with mouse and rat LZTS2, respectively.
Characteristics:	Anti-LZTS2 Antibody Picoband® (ABIN7599520). Tested in WB, ICC/IF, Flow Cytometry, ELISA applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	LZTS2
Alternative Name:	LZTS2 (LZTS2 Products)
Background:	The protein encoded by this gene belongs to the leucine zipper tumor suppressor family of proteins, which function in transcription regulation and cell cycle control. This family member can repress beta-catenin-mediated transcriptional activation and is a negative regulator of the Wnt signaling pathway. It negatively regulates microtubule severing at centrosomes, and is necessary for central spindle formation and cytokinesis completion. It is implicated in cancer, where it may inhibit cell proliferation and decrease susceptibility to tumor development. Alternative splicing of this gene results in multiple transcript variants.
Molecular Weight:	73-75 kDa
Gene ID:	84445

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Human, Mouse, Rat Immunocytochemistry/Immunofluorescence, 5 µg/mL, Human Flow Cytometry (Fixed), 1-3 µg/1x10^6 cells, Human ELISA, 0.1-0.5 µg/mL, - 1. Cabeza-Arvelaiz, Y., Thompson, T. C., Sepulveda, J. L., Chinault, A. C. LAPSER1: a novel candidate tumor suppressor gene from 10q24.3. Oncogene 20: 6707-6717, 2001. 2. Nagase, T., Nakayama, M., Nakajima, D., Kikuno, R., Ohara, O. Prediction of the coding sequences of unidentified human genes. XX. The complete sequences of 100 new cDNA clones from brain which code for large proteins in vitro. DNA Res. 8: 85-95, 2001. 3. Peng, Y., Clark, C., Luong, R., Tu, W. H., Lee, J., Johnson, D. T., Das, A. Carroll, T. J., Sun, Z. The leucine zipper putative tumor suppressor 2 protein LZTS2 regulates kidney development. J. Biol. Chem. 286: 40331-40342, 2011.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4.

Handling

Storage:	4 °C,-20 °C
Storage Comment:	At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.