BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
888-466-3604 | support@bosterbio.com | www.bosterbio.com

Anti-LZTR2 SEC16B Antibody

Catalog Number: A06452

About SEC16B

LZTR2, also known as RGPR-p117, is a member of the BTB-kelch superfamily and was initially described as a nuclear factor I (NFI) binding protein and transcriptional regulator of the regucalcin gene. LZTR2 is cytoplasmically localized but is thought to translocate to the nucleus, a process mediated by protein kinase C signaling following hormonal stimulation. Recent evidence has suggested that there is a strong correlation of single nucleotide polymorphisms of LZTR2 with obesity in the Japanese population similar to that seen with the TMEM18 gene and the GNPDA2, BDNF, FAIM2, and MC4R genes with obesity in Caucasian populations, suggesting LZTR2 may play a role in metabolism and obesity risk.

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Overview

Product Name	Anti-LZTR2 SEC16B Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-LZTR2 SEC16B Antibody (Catalog # A06452). Tested in ELISA, WB, IHC-P, IF applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, IF, IHC-P, WB
Clonality	Polyclonal
Formulation	LZTR2 Antibody is supplied in PBS containing ≤0.09% sodium azide.
Storage Instructions	LZTR2 antibody can be stored at 4°C, stable for up to one year. Avoid repeated freeze-thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Host	Rabbit
Uniprot ID	Q96JE7

Technical Details

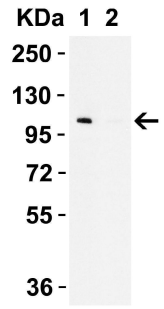
Immunogen	LZTR2 antibody was raised against an 18 amino acid synthetic peptide near the carboxy terminus of human LZTR2. The immunogen is located within the last 50 amino acids of LZTR2.
Predicted Reactive Species	Bovine, Rabbit
Isotype	IgG

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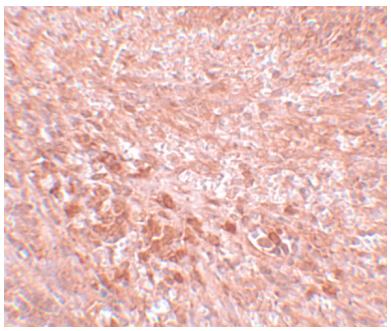
Form	Liquid
Concentration	1 mg/mL
Purification	LZTR2 Antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	LZTR2 antibody can be used for detection of LZTR2 by Western blot at 0.5 ug/mL. Antibody can also be used for immunohistochemistry starting at 5 ug/mL. For immunofluorescence start at 20 ug/mL. Antibody validated: Western Blot in human samples; Immunohistochemistry in mouse samples and Immunofluorescence in mouse samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

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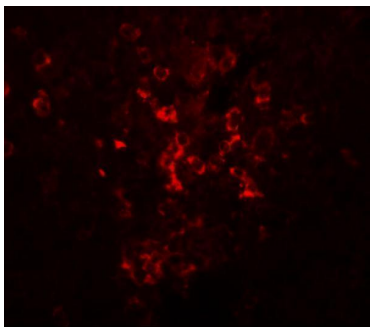
Anti-LZTR2 SEC16B Antibody (A06452) Images



WB Validation in 293 Cells Loading: 10 ug of cell lysate Antibodies: LZTR2 A06452-1001, 0.5 ug/ml, 1 h incubation at RT in 5% NFDM/TBST. Secondary: Goat Anti-Rabbit IgG HRP conjugate at 1:10000 dilution. Exposure: 10 sec Lane 1: In the absence of peptide blocking Lane 2: In the presence of peptide blocking



Immunohistochemistry of LZTR2 in mouse kidney tissue with LZTR2 antibody at 5 ug/mL.



Immunofluorescence of LZTR2 in mouse kidney tissue with LZTR2 antibody at 20 ug/mL.

Anti-LZTR2 SEC16B Antibody

For Research Use Only. Not for use in diagnostic procedures.