

Product datasheet for **TA306930**

LZTR2 (SEC16B) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IF, IHC, WB
Recommended Dilution:	LZTR2 antibody can be used for detection of LZTR2 by Western blot at 0.5 µg/mL. Antibody can also be used for immunohistochemistry starting at 5 µg/mL. For immunofluorescence start at 20 µg/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.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	LZTR2 antibody was raised against an 18 amino acid peptide near the carboxy terminus of human LZTR2.
Formulation:	PBS containing 0.02% sodium azide.
Concentration:	1ug/ul
Purification:	LZTR2 Antibody is affinity chromatography purified via peptide column.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	SEC16 homolog B, endoplasmic reticulum export factor
Database Link:	NP_149118 Entrez Gene 89867 Mouse Entrez Gene 89868 Rat Entrez Gene 89866 Human Q96JE7



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Background:

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.

Synonyms:

LZTR2; PGPR-p117; RGPR; SEC16S