



Rabbit Anti-LZTS1 antibody

SL5705R

Product Name:	LZTS1
Chinese Name:	假定Tumour抑制亮氨酸拉链蛋白1抗体
Alias:	F37; F37/esophageal cancer related gene coding leucine zipper motif; Leucine zipper putative tumor suppressor 1; Psdzip70; LZTS1_HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Dog,Pig,Cow,Horse,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	66kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human LZTS1:21-120/596
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	This gene encodes a tumor suppressor protein that is ubiquitously expressed in normal tissues. In uveal melanomas, expression of this protein is silenced in rapidly metastasizing and metastatic tumor cells but has normal expression in slowly metastasizing or nonmetastasizing tumor cells. This protein may have a role in cell-cycle control by interacting with the Cdk1/cyclinB1 complex. This gene is located on chromosomal region8p22. Loss of heterozygosity (LOH) in the 8p arm is a common

characteristic of many types of cancer. [provided by RefSeq].

Function:

Involved in the regulation of cell growth. May stabilize the active CDC2-cyclin B1 complex and thereby contribute to the regulation of the cell cycle and the prevention of uncontrolled cell proliferation. May act as a tumor suppressor.

Subunit:

Binds EEF1G, TLK2 and CDK1.

Subcellular Location:

Cytoplasm (By similarity). Cell membrane (By similarity). Cell projection, dendritic spine (By similarity). Cell junction, synapse, postsynaptic cell membrane, postsynaptic density (By similarity). Cell junction, synapse (By similarity). Note=Associated with the plasma membrane and with microtubules. Detected in dendritic spines, especially in the postsynaptic density (By similarity).

Tissue Specificity:

Highly expressed in testis, prostate, spleen, thymus, ovary and brain. Detected at lower levels in heart, placenta, small intestine, colon, liver, kidney, skeletal muscle and pancreas. Not detectable in primary tumors from breast and prostate and in many cancer cell lines.

Post-translational modifications:

Phosphorylated on serine residues. Hyperphosphorylated by the cAMP-dependent kinase PKA during cell-cycle progression.

DISEASE:

Esophageal cancer (ESCR) [MIM:133239]: A malignancy of the esophagus. The most common types are esophageal squamous cell carcinoma and adenocarcinoma. Cancer of the esophagus remains a devastating disease because it is usually not detected until it has progressed to an advanced incurable stage. Note=The disease may be caused by mutations affecting the gene represented in this entry.

Similarity:

Belongs to the LZTS family.

SWISS:

Q9Y250

Gene ID:

11178

Database links:

[Entrez Gene: 11178](#)Human

[Entrez Gene: 211134](#)Mouse

[Entrez Gene: 266711](#)Rat

[Omim: 606551](#)Human

[SwissProt: Q9Y250](#)Human

[SwissProt: P60853](#)Mouse

[SwissProt: Q8CFC9](#)Rat

[Unigene: 521432](#)Human

[Unigene: 479807](#)Mouse

[Unigene: 3213](#)Rat

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

www.sunlongbiotech.com