

LZTS1 Antibody (N-term) Blocking peptide
Synthetic peptide
Catalog # BP13069a**Specification**

LZTS1 Antibody (N-term) Blocking peptide - Product InformationPrimary Accession [Q9Y250](#)**LZTS1 Antibody (N-term) Blocking peptide - Additional Information****Gene ID** 11178**Other Names**

Leucine zipper putative tumor suppressor 1, F37/esophageal cancer-related gene-coding leucine-zipper motif, Fez1, LZTS1, FEZ1

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

LZTS1 Antibody (N-term) Blocking peptide - Protein Information**Name** LZTS1**Synonyms** FEZ1**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.

Cellular LocationCytoplasm. Cell membrane. Cell projection, dendritic spine Postsynaptic density. Synapse
Note=Associated with the plasma membrane and with microtubules Detected in dendritic spines, especially in the postsynaptic density (By similarity).**Tissue Location**

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.

LZTS1 Antibody (N-term) Blocking peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

LZTS1 Antibody (N-term) Blocking peptide - Images

LZTS1 Antibody (N-term) Blocking peptide - Background

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/cyclin B1 complex. This gene is located on chromosomal region 8p22. Loss of heterozygosity (LOH) in the 8p arm is a common characteristic of many types of cancer.

LZTS1 Antibody (N-term) Blocking peptide - References

Olson, J.E., et al. Breast Cancer Res. Treat. (2010) In press : Chattopadhyay, I., et al. Mutat. Res. 696(2):130-138(2010) Califano, D., et al. J. Cell. Physiol. 222(2):382-386(2010) Shyn, S.I., et al. Mol. Psychiatry (2009) In press : Canova, C., et al. Cancer Res. 69(7):2956-2965(2009)