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LZTS2 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP13002b

Product Information

Application	WB, E
Primary Accession	Q9BRK4
Other Accession	NP_115805.1
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB32641
Calculated MW	72759
Antigen Region	572-601

Additional Information

Gene ID	84445
Other Names	Leucine zipper putative tumor suppressor 2 {ECO:0000255|HAMAP-Rule:MF_03026}, hLZTS2, Protein LAPSER1 {ECO:0000255|HAMAP-Rule:MF_03026}, LZTS2 {ECO:0000255|HAMAP-Rule:MF_03026}
Target/Specificity	This LZTS2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 572-601 amino acids from the C-terminal region of human LZTS2.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	LZTS2 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	LZTS2 {ECO:0000255|HAMAP-Rule:MF_03026}
Function	Negative regulator of katanin-mediated microtubule severing and release

	from the centrosome. Required for central spindle formation and the completion of cytokinesis. May negatively regulate axonal outgrowth by preventing the formation of microtubule bundles that are necessary for transport within the elongating axon. Negative regulator of the Wnt signaling pathway. Represses beta-catenin-mediated transcriptional activation by promoting the nuclear exclusion of beta- catenin.
Cellular Location	Cytoplasm. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome. Note=Localized to the centrosome throughout the cell cycle. Localized to the midbody in cells undergoing cytokinesis
Tissue Location	Highly expressed in prostate and testis, and at slightly lower levels in spleen, thymus, uterus, small intestine and colon.

Background

Negative regulator of katanin-mediated microtubule severing and release from the centrosome. Required for central spindle formation and the completion of cytokinesis. May negatively regulate axonal outgrowth by preventing the formation of microtubule bundles that are necessary for transport within the elongating axon. Negative regulator of the Wnt signaling pathway. Represses beta-catenin-mediated transcriptional activation by promoting the nuclear exclusion of beta-catenin.

References

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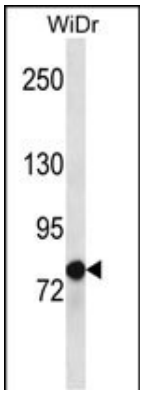
Hyun Hwa, Cho., et al. Biochim. Biophys. Acta 1783(3):419-428(2008)
Lim, J., et al. Cell 125(4):801-814(2006)
Grupe, A., et al. Am. J. Hum. Genet. 78(1):78-88(2006)

Images



LZTS2 Antibody (C-term) (Cat. #AP13002b) western blot analysis in WiDr cell line lysates (35ug/lane).This demonstrates the LZTS2 antibody detected the LZTS2 protein (arrow).