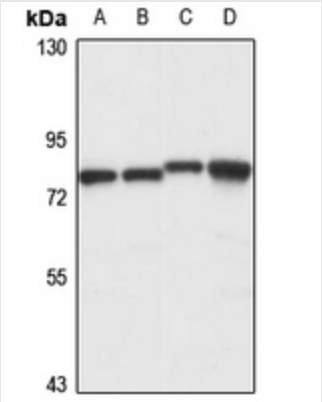
LAPSER1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	LAPSER1, Polyclonal Antibody
Full Product Name	Anti-LAPSER1 Antibody
Product Gene Name	anti-LAPSER1 antibody
Product Synonym Gene Name	LZTS2
Product Synonym Names	KIAA1813; LAPSER1; Leucine zipper putative tumor suppressor 2; hLZTS2; Protein LAPSER1
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	Liquid in 0.42% Potassium Phosphate, 0.87% Sodium Chloride, pH 7.3, 30% Glycerol, and 0.01% Sodium Azide.
Purity/Purification	Purified by Immunogen Affinity Chromatography
Specificity	Recognizes endogenous levels of LAPSER1 protein.
Preparation and Storage	Upon delivery aliquot and store at -20 degree C for one year. Avoid freeze/thaw cycles.
Molecular Weight	72,759 Da
OMIM	610454
3D Structure	ModBase 3D Structure for Q9BRK4
Immunogen	Recombinant fusion protein of human LAPSER1. The exact sequence is proprietary.
Applications Tested/Suitable for anti-LAPSER1 antibody	Western Blot (WB)
Application Notes for anti-LAPSER1 antibody	WB: 1:500-1:2000
Related Product Information for anti-LAPSER1 antibody	MBS8307195 is an antibody targeting LAPSER1. Reactive in Human, Mouse, Rat. Host: Rabbit. Rabbit polyclonal antibody to LAPSER1
Other Notes	Small volumes of anti-LAPSER1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Western Blot (WB) of anti-LAPSER1 antibody
Western blot analysis of LAPSER1 expression in HT29 (A), HeLa (B), mouse brain (C), rat kidney (D) whole cell lysates.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for LAPSER1. It may not necessarily be applicable to this product.

NCBI GI #	45331215
NCBI GeneID	84445
NCBI Accession #	NP_115805
UniProt Primary Accession #	Q9BRK4
UniProt Secondary Accession #	Q91YU6; Q3LUD4
UniProt Related Accession #	Q9BRK4
GenBank Nucleotide #	NM_032429.2
NCBI Official Full Name	leucine zipper putative tumor suppressor 2
NCBI Official Synonym Full Names	leucine zipper, putative tumor suppressor 2
NCBI Official Symbol	LZTS2
NCBI Official Synonym Symbols	LAPSER1
UniProt Protein Name	Leucine zipper putative tumor suppressor 2
UniProt Synonym Protein Names	Protein LAPSER1
Protein Family	Leucine zipper putative tumor suppressor
UniProt Gene Name	LZTS2
UniProt Synonym Gene Names	hLZTS2
UniProt Entry Name	LZTS2_HUMAN
NCBI Protein Information	leucine zipper putative tumor suppressor 2; LZTS2; hLZTS2; protein LAPSER1

UniProt Comments for LAPSER1	LZTS2: 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. Belongs to the LZTS2 family. Protein type: Nuclear export Chromosomal Location of Human Ortholog: 10q24 Cellular Component: microtubule; centrosome; cytoplasm; midbody Molecular Function: protein binding Biological Process: mitosis; negative regulation of cell proliferation; Wnt receptor signaling pathway; spindle midzone assembly; microtubule severing; nuclear export; cytokinesis; kidney development
Research Articles on LAPSER1	**1.** LZTS2 could inhibit cell proliferation and cell cycle transition at the G1/S phase and was implicated in the regulation of proteins associated with the canonical Wnt pathway, including GSK3B and beta-catenin through inactivating the Akt pathway.
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