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LLGL2 Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP2199a

Product Information

Application	WB, E
Primary Accession	Q6P1M3
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB7624
Calculated MW	113448
Antigen Region	940-973

Additional Information

Gene ID	3993
Other Names	Lethal(2) giant larvae protein homolog 2, HGL, LLGL2
Target/Specificity	This LLGL2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 940-973 amino acids from the C-terminal region of human LLGL2.
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 prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
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	LLGL2 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	LLGL2
Function	Part of a complex with GPSM2/LGN, PRKCI/aPKC and PARD6B/Par- 6, which may ensure the correct organization and orientation of bipolar spindles for normal cell division. This complex plays roles in the initial phase of the establishment of epithelial cell polarity.

Cellular Location	Cytoplasm. Note=Localized in the perinuclear structure and faintly at the cell-cell contacts sites in the interphase. Localized at the cell periphery during metaphase. Cortical localization in mitotic cells. Found in the lateral region of polarized epithelial cells

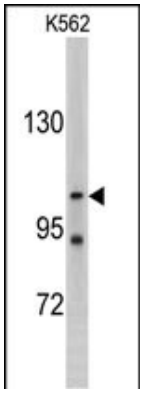
Background

The lethal (2) giant larvae protein of Drosophila plays a role in asymmetric cell division, epithelial cell polarity, and cell migration. LLGL2 is a protein similar to lethal (2) giant larvae of Drosophila. In fly, the protein's ability to localize cell fate determinants is regulated by the atypical protein kinase C (aPKC). In human, this protein interacts with aPKC-containing complexes and is cortically localized in mitotic cells.

References

Yasumi, M., et al., J. Biol. Chem. 280(8):6761-6765 (2005). Katoh, M., et al., Int. J. Oncol. 24(3):737-742 (2004).

Images



Western blot analysis of LLGL2 antibody (C-term) (Cat. #AP2199a) in K562 cell line lysates (35ug/lane). LLGL2 (arrow) was detected using the purified Pab.