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LLGL1/2 Antibody (Center S650/654)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP14311c

Product Information

Application	WB, E
Primary Accession	Q6P1M3
Other Accession	Q3TJ91, Q8K4K5, Q80Y17, Q15334, Q8MKF0, NP_004515.2, NP_001015002.1, NP_001026973.1
Reactivity	Human
Predicted	Bovine, Mouse, Rat, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB07627
Calculated MW	113448
Antigen Region	624-653

Additional Information

Gene ID	3993
Other Names	Lethal(2) giant larvae protein homolog 2, HGL, LLGL2
Target/Specificity	This LLGL1/2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 624-653 amino acids from the Central region of human LLGL1/2.
Dilution	WB~~1:2000 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	LLGL1/2 Antibody (Center S650/654) 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

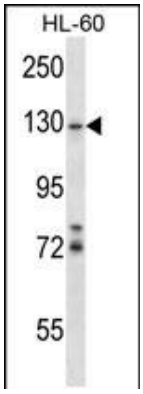
Background

The lethal (2) giant larvae protein of Drosophila plays a role in asymmetric cell division, epithelial cell polarity, and cell migration. This human gene encodes 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. Alternative splicing results in multiple transcript variants encoding different isoforms.

References

Lisovsky, M., et al. Hum. Pathol. 41(6):902-909(2010)
Yoshida, T., et al. Int. J. Mol. Med. 25(4):649-656(2010)
Oguri, M., et al. Am. J. Hypertens. 23(1):70-77(2010)
Yamada, Y., et al. Atherosclerosis 207(1):144-149(2009)
Lisovsky, M., et al. Mod. Pathol. 22(7):977-984(2009)

Images



LLGL1/2 Antibody (pS650/654) (Cat. #AP14311c) western blot analysis in HL-60 cell line lysates (35ug/lane).This demonstrates the LLGL1/2 antibody detected the LLGL1/2 protein (arrow).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.