10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

# LLGL2 Antibody (N-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP2199b

## Product Information

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| **Application** | WB, E |
| **Primary Accession** | Q6P1M3 |
| **Other Accession** | Q3TJ91 |
| **Reactivity** | Human |
| **Predicted** | Mouse |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Isotype** | Rabbit IgG |
| **Clone Names** | RB7625 |
| **Calculated MW** | 113448 |
| **Antigen Region** | 165-199 |

## Additional Information

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| **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 165-199 amino acids from the N-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 (N-term) is for research use only and not for use in diagnostic or therapeutic procedures. |

## Protein Information

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| **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

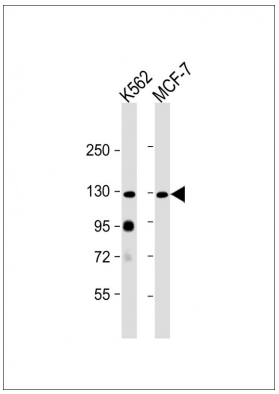
## Background

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




All lanes : Anti-hLLGL2-E180 at 1:2000 dilution Lane 1: K562 whole cell lysate Lane 2: MCF-7 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 113 kDa Blocking/Dilution buffer: 5% NFDM/TBST.