

# LLGL2 Antibody (N-term)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP2199b

## Product Information

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<b>Application</b>	WB, E
<b>Primary Accession</b>	<a href="#">Q6P1M3</a>
<b>Other Accession</b>	<a href="#">Q3TJ91</a>
<b>Reactivity</b>	Human
<b>Predicted</b>	Mouse
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	Rabbit IgG
<b>Clone Names</b>	RB7625
<b>Calculated MW</b>	113448
<b>Antigen Region</b>	165-199

## Additional Information

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<b>Gene ID</b>	3993
<b>Other Names</b>	Lethal(2) giant larvae protein homolog 2, HGL, LLGL2
<b>Target/Specificity</b>	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.
<b>Dilution</b>	WB~~1:1000 E~~Use at an assay dependent concentration.
<b>Format</b>	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.
<b>Storage</b>	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.
<b>Precautions</b>	LLGL2 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	LLGL2
<b>Function</b>	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

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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.

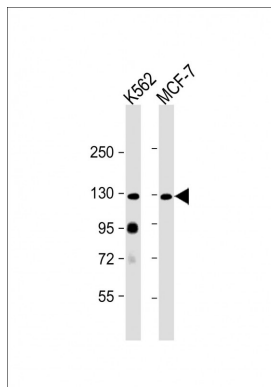
## References

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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

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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.

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