



Rabbit Anti-LLGL2 antibody

SL4771R

Product Name:	LLGL2
Chinese Name:	相似Tumour抑制基因HUGL抗体
Alias:	HGL; Human giant larvae homolog; L2GL2; L2GL2_HUMAN; Lethal 2 giant larvae protein homolog 2; Lethal giant larvae homolog 2; Lethal(2) giant larvae protein homolog 2; LGL2; LLGL2.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Cow,Sheep,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	112kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human LLGL2:601-700/1020
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	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. [provided by RefSeq, Jul 2008].

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.

Subunit:

Interacts with GPSM2/LGN, PRKCI/aPKC and PARD6B/Par-6. The complex is enhanced during mitosis.

Subcellular 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.

Post-translational modifications:

Phosphorylated at Ser-653 by PRKCI. Phosphorylation is enhanced during cell polarization induced by calcium. Phosphorylation may occur during the cell-cell contact-induced cell polarization and may contribute to the segregation of LLGL2 from the PRKCI/aPKC and PARD6B/Par-6 complex.

Similarity:

Belongs to the WD repeat L(2)GL family.
Contains 14 WD repeats.

SWISS:

Q6P1M3

Gene ID:

3993

Database links:

[Entrez Gene: 3993](#)Human

[Entrez Gene: 217325](#)Mouse

[Entrez Gene: 360661](#)Rat

[SwissProt: Q6P1M3](#)Human

[SwissProt: Q3TJ91](#)Mouse

[Unigene: 514477](#)Human

[Unigene: 290450](#)Mouse

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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