



Rabbit Anti-LANCL2 antibody

SL5765R

Product Name:	LANCL2
Chinese Name:	G protein-coupled receptor69B
Alias:	G protein coupled receptor 69B; LanC (bacterial lantibiotic synthetase component C) like 2; TASP; Testis specific adriamycin sensitivity protein; LANC2 HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Dog,Rabbit,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=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:	51kDa
Cellular localization:	The nucleuscytoplasmicThe cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human LANCL2:331-430/460
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:	LANCL2 belongs to the LanC like protein family. It is expressed in the brain and testis. LANCL2 is a bystander gene coamplified and overexpressed with epidermal growth factor receptor (EGFR) in 20% of all glioblastomas. Its exogenous expression in a sarcoma cell line decreases the expression of ABCB1 (P glycoprotein 1) and increases cellular sensitivity to an anticancer drug (adriamycin).

Function:

Necessary for abscisic acid (ABA) binding on the cell membrane and activation of the ABA signaling pathway in granulocytes.

Subunit:

Interacts with an array of inositol phospholipids such as phosphatidylinositol 3-phosphate (PI3P), phosphatidylinositol 4-phosphate (PI4P) and phosphatidylinositol 5-phosphate (PI5P). PIP-binding enhances membrane association.

Subcellular Location:

Nucleus. Cytoplasm. Cell membrane. Note=Localizes to the juxta-nuclear vesicles. Associates with the cortical actin cytoskeleton. Cholesterol depletion by methyl-beta-cyclodextrin causes partial dissociation from the cell membrane in vitro and an enhanced cell detachment from the matrix in vivo. Membrane-association is important for the increased cellular sensitivity to an anticancer drug (adriamycin).

Tissue Specificity:

Expressed in brain and testis.

Post-translational modifications:

Myristoylated. Essential for membrane association.

Similarity:

Belongs to the LanC-like protein family.

SWISS:

Q9NS86

Gene ID:

55915

Database links:

[Entrez Gene: 55915](#)Human

[SwissProt: Q9NS86](#)Human

[Unigene: 595384](#)Human

Important Note:

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