

LANCL2 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP58308**Specification****LANCL2 Polyclonal Antibody - Product Information**

Application	WB, IHC-P, IHC-F, IF, E
Primary Accession	Q9NS86
Reactivity	Rat, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	51 KDa
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human LANCL2
Epitope Specificity	331-430/460
Isotype	IgG
Purity	
affinity purified by Protein A	
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
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). Belongs to the LanC-like protein family.
SIMILARITY	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.
SUBUNIT	Myristoylated. Essential for membrane association.
Post-translational modifications	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Important Note	

Background Descriptions

bs-5765P is one synthetic peptide derived from human LANCL2. 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).

LANCL2 Polyclonal Antibody - Additional Information

Gene ID 55915

Other Names

LanC-like protein 2, Testis-specific adriamycin sensitivity protein, LANCL2, GPR69B, TASP

Target/Specificity

Expressed in brain and testis.

Dilution

WB~~1:1000<br \>IHC-P~~N/A<br \>IHC-F~~N/A<br \>IF~~1:50~200<br \>E~~N/A

Format

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. 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.

LANCL2 Polyclonal Antibody - Protein Information

Name LANCL2

Synonyms GPR69B, TASP

Function

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

Cellular Location

Nucleus. Cytoplasm. Cell membrane Note=Localizes to the juxta-nuclear vesicles (PubMed:16979580) Associates with the cortical actin cytoskeleton (PubMed:16979580) 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 (PubMed:16979580). Membrane- association is important for the increased cellular sensitivity to an anticancer drug (adriamycin) (PubMed:16979580)

Tissue Location

Expressed in brain and testis.

LANCL2 Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)

- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

LANCL2 Polyclonal Antibody - Images