

Rabbit Anti-PAP2c antibody

SL0739R

Product Name	PAP2c
Chinese Name	磷脂酸磷酸酶 2C 抗体
Alias	PPAP2C; EC 3.1.3.4; Phosphatidic acid phosphatase 2c; Lipid phosphate phosphohydrolase 2; LPP2; PAP 2c; PAP2 G; PAP2 gamma; Phosphatidic acid phosphatase 2c; Phosphatidic acid phosphatase type 2C; Phosphatidate phosphohydrolase type 2c; Type 2 phosphatidic acid phosphatase gamma; PAP2c; PAP-2c; PAP2G; PAP2-gamma; LPP2_HUMAN; PAP2-G.
Research Area	Tumour Cell biology Signal transduction Kinases and Phosphatases Lipoprotein The new supersedes the old
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	(predicted: Human, Mouse, Rat, Pig, Cow,) IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,ELISA=1:5000-10000 (Paraffin sections need antigen repair)
Applications	not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Theoretical molecular weight	33kDa
Cellular localization	The cell membrane
Form	Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human PAP2c: 81-276/288
Lsotype	IgG
Purification	affinity purified by Protein A
Buffer Solution	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.
Storage	Shipped at 4°C. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Attention	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

PubMed

[PubMed](#)

The protein encoded by this gene is a member of the phosphatidic acid phosphatase (PAP) family. PAPs convert phosphatidic acid to diacylglycerol, and function in de novo synthesis of glycerolipids as well as in receptor-activated signal transduction mediated by phospholipase D. This protein is similar to phosphatidic acid phosphatase type 2A (PPAP2A) and type 2B (PPAP2B). All three proteins contain 6 transmembrane regions, and a consensus N-glycosylation site. This protein has been shown to possess membrane associated PAP activity. Three alternatively spliced transcript variants encoding distinct isoforms have been reported. [provided by RefSeq, Jul 2008].

Function:

Catalyzes the conversion of phosphatidic acid (PA) to diacylglycerol (DG). In addition it hydrolyzes lysophosphatidic acid (LPA), ceramide-1-phosphate (C-1-P) and sphingosine-1-phosphate (S-1-P). The relative catalytic efficiency is PA > C-1-P > LPA > S-1-P.

Subunit:

Homodimer.

Product Detail

Subcellular Location:

Membrane; Multi-pass membrane protein.

Tissue Specificity:

Found mainly in brain, pancreas and placenta.

Similarity:

Belongs to the PA-phosphatase related phosphoesterase family.

SWISS:

O43688

Gene ID:

8612

Database links:

[Entrez Gene: 8612](#) Human

[Omim: 607126](#) Human

[SwissProt: O43688](#) Human



SunLong Biotech Co.,LTD
Tel: 0086-571-56623320 Fax:0086-571-56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com

PAP2c-磷脂酸磷酸酶-2C 又称: PAP2-gamma、PAP2-G 主要用于胰岛素、糖及脂肪代谢方面的研究。