



Rabbit Anti-PAP2c antibody

SL0739R

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| 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. |
| Organism Species: | Rabbit |
| Clonality: | Polyclonal |
| React Species: | Human,Mouse,Rat,Pig,Cow, |
| Applications: | ELISA=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: | 33kDa |
| Cellular localization: | The cell membrane |
| Form: | Lyophilized or Liquid |
| Concentration: | 1mg/ml |
| immunogen: | KLH conjugated synthetic peptide derived from human PAP2c:81-276/288 |
| 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 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.

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

Important Note:

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

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。