OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for TA322832

PPAP2C (PLPP2) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	ELISA: 1:2000-10000, WB: 1:500-2000, IHC: 1:50-200
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide corresponding to a region derived from 256-269 amino acids of Human phosphatidic acid phosphatase type 2C
Formulation:	PBS pH7.3, 0.05% NaN3, 50% glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	33 kDa
Gene Name:	phospholipid phosphatase 2
Database Link:	NP_003703 Entrez Gene 50784 MouseEntrez Gene 246115 RatEntrez Gene 8612 Human O43688
Background:	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.
Synonyms:	LPP2; PAP-2c; PAP2-g; PPAP2C

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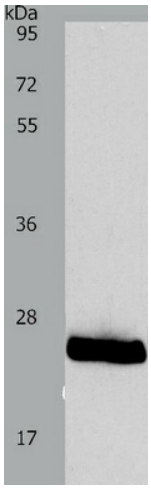
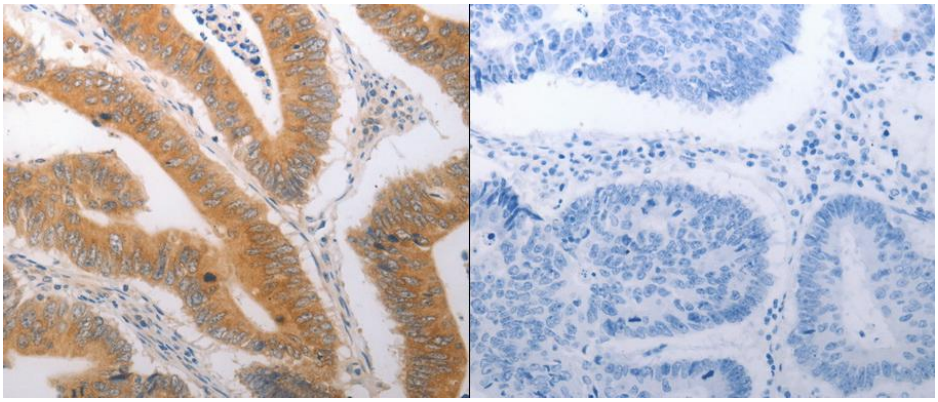
Protein Families: Druggable Genome, Stem cell - Pluripotency, Transmembrane

Protein Pathways: Ether lipid metabolism, Fc gamma R-mediated phagocytosis, Glycerolipid metabolism, Glycerophospholipid metabolism, Metabolic pathways, Sphingolipid metabolism

Product images:



Predicted band size: 33kDa. Positive control: Mouse trachea tissue lysate. Recommended dilution: 1/500-2000. (Gel: 10%SDS-PAGE Lysate: 40 ug Primary antibody: 1/800 dilution Secondary antibody: Goat anti Rabbit IgG - H&L (HRP) at 1/8000 dilution Exposure time: 20 seconds)



Predicted cell location: Cytoplasm. Positive control: Human colon cancer tissue. Recommended dilution: 1/50-200 The image on the left is immunohistochemistry of paraffin-embedded human colon cancer tissue using PPAP2C antibody at dilution 1/40, on the right is treated with the synthetic peptide. (Original magnification:x200)