

PA24B Polyclonal Antibody

Catalog No :	YN0632
Reactivity :	Human;Mouse
Applications :	WB;ELISA
Target :	PA24B
Fields :	>>Glycerophospholipid metabolism;>>Ether lipid metabolism;>>Arachidonic acid metabolism;>>Linoleic acid metabolism;>>alpha-Linolenic acid metabolism;>>Metabolic pathways;>>MAPK signaling pathway;>>Ras signaling pathway;>>Phospholipase D signaling pathway;>>Necroptosis;>>Vascular smooth muscle contraction;>>VEGF signaling pathway;>>Platelet activation;>>Fc epsilon RI signaling pathway;>>Fc gamma R-mediated phagocytosis;>>Glutamatergic synapse;>>Serotonergic synapse;>>Long-term depression;>>Inflammatory mediator regulation of TRP channels;>>GnRH signaling pathway;>>Ovarian steroidogenesis;>>Oxytocin signaling pathway;>>Choline metabolism in cancer
Gene Name :	PLA2G4B
Protein Name :	Cytosolic phospholipase A2 beta (cPLA2-beta) (EC 3.1.1.4) (Phospholipase A2 group IVB)
Human Gene Id :	100137049
Human Swiss Prot No :	P0C869
Mouse Swiss Prot No :	P0C871
Immunogen :	Synthesized peptide derived from part region of human protein
Specificity :	PA24B Polyclonal Antibody detects endogenous levels of protein.
Formulation :	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500-2000 ELISA 1:5000-20000

Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Observed Band :	85kD
Cell Pathway :	Glycerophospholipid metabolism;Ether lipid metabolism;Arachidonic acid metabolism;Linoleic acid metabolism;alpha-Linolenic acid metabolism;MAPK_ERK_Growth;MAPK_G_Protein;Vascular smooth muscle contrac
Background :	This locus represents naturally-occurring readthrough transcription between the neighboring jumonji domain containing 7 (JMJD7) and phospholipase A2, group IVB (cytosolic) (PLA2G4B) genes. Readthrough transcripts encode fusion proteins that share amino acid sequence with each individual gene product, including a partial JmjC domain and downstream C2 and phospholipase A2 domains. Alternatively spliced transcript variants have been observed. [provided by RefSeq, Oct 2013],
Function :	catalytic activity:Phosphatidylcholine + H(2)O = 1-acylglycerophosphocholine + a carboxylate.,caution:Most tissues also express read-through transcripts from this gene into the upstream gene (Jmjd7), some of which may encode fusion proteins.,caution:This sequence was first thought to be an alternatively spliced isoform of Pla2g4b. It is derived from Jmjd7 which is located upstream of Pla2g4b. Most tissues also express read-through transcripts from Jmjd7 into the downstream Pla2g4b gene, some of which may encode fusion proteins combining the N-terminus of this protein with PLA2G4B protein.,domain:The N-terminal C2 domain associates with lipid membranes and mediates its regulation by presenting the active site to its substrate in response to elevations of cytosolic Ca(2+).,enzyme regulation:Stimulated by cytosolic Ca(2+).,function:Calcium-dependent phospholipase A2 that selectively hydroly
Subcellular Location :	[Isoform 3]: Cytoplasm, cytosol . Mitochondrion membrane ; Peripheral membrane protein. Early endosome membrane ; Peripheral membrane protein. Translocates to membrane vesicles in a calcium-dependent fashion. .; [Isoform 5]: Cytoplasm, cytosol .
Expression :	Widely expressed. Expressed at higher level in brain, heart, liver, cerebellum and pancreas.

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