



PA24B Monoclonal Antibody

Catalog No	BYmab-05506
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB
Gene Name	PLA2G4B
Protein Name	Cytosolic phospholipase A2 beta (cPLA2-beta) (EC 3.1.1.4) (Phospholipase A2 group IVB)
Immunogen	Synthesized peptide derived from part region of human protein
Specificity	PA24B Monoclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	85kD
Cell Pathway	[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 .
Tissue Specificity	Widely expressed. Expressed at higher level in brain, heart, liver, cerebellum and pancreas.
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

Nanjing BYabscience technology Co.,Ltd



	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
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],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

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