

## Anti-PA24B antibody



<b>Description</b>	Unconjugated Rabbit polyclonal to PA24B
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<b>Model</b>	STJ190736
<b>Host</b>	Rabbit
<b>Reactivity</b>	Human, Mouse
<b>Applications</b>	ELISA, WB
<b>Gene ID</b>	<a href="#">100137049</a>
<b>Gene Symbol</b>	<a href="#">PLA2G4B</a>
<b>Dilution range</b>	WB 1:500-2000 ELISA 1:5000-20000
<b>Specificity</b>	PA24B Polyclonal Antibody detects endogenous levels of protein.
<b>Tissue Specificity</b>	Widely expressed. Expressed at higher level in brain, heart, liver, cerebellum and pancreas. Isoform 3 is widely expressed.
<b>Purification</b>	PA24B antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Note</b>	For Research Use Only (RUO).
<b>Protein Name</b>	Cytosolic phospholipase A2 beta cPLA2-beta Phospholipase A2 group IVB
<b>Molecular Weight</b>	85 kDa
<b>Clonality</b>	Polyclonal
<b>Conjugation</b>	Unconjugated
<b>Isotype</b>	IgG

<b>Formulation</b>	Liquid form in PBS containing 50% glycerol, and 0.02% sodium azide.
<b>Concentration</b>	1 mg/ml
<b>Storage Instruction</b>	Store at -20°C, and avoid repeat freeze-thaw cycles.
<b>Database Links</b>	<a href="#">HGNC:9036</a> <a href="#">OMIM:606088</a>
<b>Alternative Names</b>	Cytosolic phospholipase A2 beta cPLA2-beta Phospholipase A2 group IVB
<b>Function</b>	Calcium-dependent phospholipase A2 that selectively hydrolyzes glycerophospholipids in the sn-2 position with a preference for arachidonoyl phospholipids. Has a much weaker activity than PLA2G4A. Isoform 3 has calcium-dependent activity against palmitoyl-arachidonyl-phosphatidylethanolamine and low level lysophospholipase activity but no activity against phosphatidylcholine. Isoform 5 does have activity against phosphatidylcholine.
<b>Sequence and Domain Family</b>	The N-terminal C2 domain associates with lipid membranes upon calcium binding. It modulates enzyme activity by presenting the active site to its substrate in response to elevations of cytosolic Ca(2+).
<b>Cellular Localization</b>	Cytoplasm, cytosol Isoform 3: Mitochondrion membrane. Peripheral membrane protein. Early endosome membrane. Peripheral membrane protein. Translocates to membrane vesicles in a calcium-dependent fashion.

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