

Anti-PA24B antibody



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

Formulation	Liquid form in PBS containing 50% glycerol, and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:9036OMIM:606088
Alternative Names	Cytosolic phospholipase A2 beta cPLA2-beta Phospholipase A2 group IVB
Function	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-arachidonoyl-phosphatidylethanolamine and low level lysophospholipase activity but no activity against phosphatidylcholine. Isoform 5 does have activity against phosphatidylcholine.
Sequence and Domain Family	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+) .
Cellular Localization	Cytoplasm, cytosol Isoform 3: Mitochondrion membrane. Peripheral membrane protein. Early endosome membrane. Peripheral membrane protein. Translocates to membrane vesicles in a calcium-dependent fashion.