Recombinant Mouse Calcium-dependent phospholipase A2(Pla2g5)

Catalog No: #AP70639

Package Size: #AP70639-1 20ug #AP70639-2 100ug #AP70639-3 1mg

Signalway Antibody
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Description

Product Name	Recombinant Mouse Calcium-dependent phospholipase A2(Pla2g5)
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:21-137aaSequence Info:Full Length of Mature Protein
Other Names	Group V phospholipase A2;PLA2-10Phosphatidylcholine 2-acylhydrolase 5
Accession No.	P97391
Calculated MW	29.8 kDa
Tag Info	N-terminal 6xHis-SUMO-tagged
Target Sequence	GLLELKSMIEKVTGKNAFKNYGFYGCYCGWGGRGTPKDGTDWCCQMHDRCYGQLEEKDCAIRTQSYDYRY TNGLVICEHDSFCPMRLCACDRKLVYCLRRNLWTYNPLYQYYPNFLC
Formulation	Tris-based buffer50% glycerol
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

PA2 catalyzes the calcium-dependent hydrolysis of the 2-acyl groups in 3-sn-phosphoglycerides. This isozyme hydrolyzes L-alpha-palmitoyl-2-oleoyl phosphatidylcholine more efficiently than L-alpha-1-palmitoyl-2-arachidonyl phosphatidylcholine, L-alpha-1-palmitoyl-2-arachidonyl phosphatidylethanolamine or L-alpha-1-stearoyl-2-arachidonyl phosphatidylinositol .

References

Low-molecular-weight, calcium-dependent phospholipase A2 genes are linked and map to homologous chromosome regions in mouse and human.Tischfield J.A., Xia Y.R., Shih D.M., Klisak I., Chen J., Engle S.J., Siakotos A.N., Winstead M.V., Seilhamer J.J., Allamand V., Gyapay G., Lusis A.Genomics 32:328-333(1996)Research Topic:Others