

Goat anti-PLA2G4A Antibody

Item Number	dAP-2151
Target Molecule	Principle Name: PLA2G4A; Official Symbol: PLA2G4A; All Names and Symbols: PLA2G4A; phospholipase A2, group IVA (cytosolic, calcium-dependent); MGC126350; PLA2G4; cPLA2-alpha; calcium-dependent phospholipid-binding protein; cytosolic phospholipase A2, group IVA; lysophospholipase; phosphatidylcholine 2-acylhydrolase; Accession Number (s): NP_077734.1; Human Gene ID(s): 5321; Non-Human GeneID (s):
Immunogen	QEKTRQQRKEHIR, is from internal region
Applications	Pep ELISA, WB Species Tested: Human, Mouse
Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Supplied As	lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.
Peptide ELISA	Peptide ELISA: antibody detection limit dilution 1 to 32000.
Western Blot	Western Blot: Approx 90kDa band observed in lysates of cell lines HeLa and NIH3T3 (calculated MW of 85.2kDa according to NP_077734.1). Recommended concentration: 1-3µg/ml.
IHC	

Reference	Reference(s): Gubern A, Barceló-Torns M, Barneda D, López JM, Masgrau R, Picatoste F, Chalfant CE, Balsinde J, Balboa MA, Claro E, JNK and ceramide kinase govern the biogenesis of lipid droplets through activation of group IVA phospholipase A2. The Journal of biological chemistry 2009 Nov 284 (47): 32359-
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Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**