

Goat Calcium-independent phospholipase A2 ELISA Kit | PNPLA8 elisa kit

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CATALOG #
AAA246281

REACTIVITY
Goat

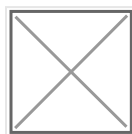
PRODUCT SYNONYMS

Calcium-independent phospholipase A2; Goat Calcium-independent phospholipase A2 ELISA Kit; PNPLA8 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Goat
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	1.0 ng/mL.
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PNPLA8 elisa kit

Intended Uses: This iPLA2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Goat iPLA2. This ELISA kit for research use only!

Principle of the Assay: iPLA2 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-iPLA2 antibody and an iPLA2-HRP conjugate. The assay sample and buffer are incubated together with iPLA2-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the iPLA2 concentration since iPLA2 from samples and iPLA2-HRP conjugate compete for the anti-iPLA2 antibody binding site. Since the number of sites is limited, as more sites are occupied by iPLA2 from the sample, fewer sites are left to bind iPLA2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The iPLA2 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	3142700
NCBI GeneID	8398
Molecular Weight	46,484 Da
NCBI Official Full Name	calcium-independent phospholipase A2

NCBI Official Synonym Full Names	phospholipase A2, group VI (cytosolic, calcium-independent)
NCBI Official Symbol	PLA2G6
NCBI Official Synonym Symbols	GVI; PLA2; INAD1; NBIA2; iPLA2; NBIA2A; NBIA2B; PARK14; PNPLA9; Cal-PLA2; IPLA2-VIA; iPLA2beta
NCBI Protein Information	85/88 kDa calcium-independent phospholipase A2; GVI PLA2; iPLA2-beta; group VI phospholipase A2; 85 kDa calcium-independent phospholipase A2; patatin-like phospholipase domain containing 9; cytosolic, calcium-independent phospholipase A2; neurodegeneration with brain iron accumulation 2; patatin-like phospholipase domain-containing protein 9; intracellular membrane-associated calcium-independent phospholipase A2 beta
UniProt Protein Name	85/88 kDa calcium-independent phospholipase A2
UniProt Gene Name	PLA2G6
UniProt Synonym Gene Names	PLPLA9; Cal-PLA2; GVI PLA2; iPLA2-beta; PNPLA9
UniProt Entry Name	PLPL9_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/pnpla8-goat-elisa-kits/calcium-independent-phospholipase-a2/246281>