



Rat group XVI phospholipase A2 (PLA2G16) ELISA kit

Cat. No.:	0126WXX-1347
Assay Type:	Quantitative ELISA
Target Species:	Rat
Assay Target:	PLA2G16
Size:	48T; 96T

This product is for research use only and is not intended for diagnostic use.

Product Overview

Description	Rat group XVI phospholipase A2 (PLA2G16) ELISA kit is an ELISA-based <i>in vitro</i> research tool designed specifically for the quantitative detection of PLA2G 16 in rat samples. The kit is highly sensitive and easy to use.
Assay Principle	The ELISA analytical biochemical technique is based on PLA2G16 antibody-PLA2G16 antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect PLA2G16 antigen targets in samples.
Background	PLA2G16 is a calcium-independent phospholipase A2 (iPLA2 family) whose primary function is to hydrolyze phospholipids in cell membranes, releasing free fatty acids and lysophospholipids. These products serve as precursors for important lipid signaling molecules, such as prostaglandins. PLA2G16 plays a crucial role in lipid metabolism and is significantly involved in diseases like obesity.
Synonyms	Adipocyte phospholipase A2; AdPLA
EC NO.	3.1.1.4
Formula Weight	17,749 Da
Applications	Rat group XVI phospholipase A2 (PLA2G16) ELISA kit is used to quantify PLA2G16 in rat samples, providing data to support research in a wide range of areas, including lipid metabolism, signal transduction, energy storage, obesity, and others.
Research Area	Lipid metabolism; Signal transduction; Energy Storage; Obesity

Specification



Sample Type

Rat samples

Cross-reactivity

No significant cross-reactivity or interference was observed.

Storage

Store at 2-8°C.