



Pigeon perilipin 3 (PLIN3) ELISA kit

Cat. No.:	0126WXX-1390
Assay Type:	Quantitative ELISA
Target Species:	Pigeon
Assay Target:	PLIN3
Size:	1 kit

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

Product Overview

Description	Pigeon perilipin 3 (PLIN3) ELISA kit is an ELISA-based <i>in vitro</i> research tool designed specifically for the quantitative detection of PLIN3 in pigeon samples. The kit is highly sensitive and easy to use.
Assay Principle	The ELISA analytical biochemical technique is based on PLIN3 antibody-PLIN3 antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect PLIN3 antigen targets in samples.
Background	Perilipin 3 (PLIN3) is a member of the perilipin family of lipid droplet-associated proteins and is widely expressed in multiple tissues, where it regulates intracellular lipid storage and trafficking. PLIN3 coats lipid droplets and facilitates lipid droplet formation and turnover, playing an important role in cellular lipid metabolism and energy balance. By coordinating lipid storage and mobilization, PLIN3 contributes to the maintenance of metabolic homeostasis. Altered PLIN3 expression or function has been linked to dysregulated lipid accumulation and impaired lipid handling, processes that are closely associated with obesity and obesity-related metabolic disorders.
Synonyms	M6PRBP1; TIP47; PP17; Mannose-6-phosphate receptor binding protein 1; Placental protein 17; 47 kDa mannose 6-phosphate receptor-binding protein; Cargo selection TIP47
Formula Weight	55,990 Da



Applications

Pigeon perilipin 3 (PLIN3) ELISA kit is used to quantify PLIN3 in pigeon samples , providing data to support research in a wide range of areas, including metabolic pathways, obesity, and others.

Research Area

Metabolic pathway; Obesity

Specification

Sample Type

Pigeon samples

Cross-reactivity

No significant cross-reactivity or interference was observed.

Storage

Store at 2-8°C.