



Goat protein kinase C Eta (PKCeta) ELISA kit

Cat. No.:	0126WXX-1303
Assay Type:	Quantitative ELISA
Target Species:	Goat
Assay Target:	PKCeta
Size:	1 kit

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

Product Overview

Description	Goat protein kinase C Eta (PKCeta) ELISA kit is an ELISA-based <i>in vitro</i> research tool designed specifically for the quantitative detection of PKCeta in goat samples. The kit is highly sensitive and easy to use.
Assay Principle	The ELISA analytical biochemical technique is based on PKCeta antibody-PKCeta antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect PKCeta antigen targets in samples.
Background	PKCeta is a novel isoform within the PKC family characterized by calcium-independent activation primarily mediated by diacylglycerol (DAG) and phospholipids. It participates in regulating diverse cellular functions, including cell differentiation, tight junction integrity, and inflammatory signaling pathways such as NF- κ B. Under conditions of obesity, elevated levels of intracellular free fatty acids and DAG lead to sustained activation of PKCeta. This abnormal activation disrupts downstream signaling from the insulin receptor, resulting in cellular insulin resistance. Consequently, PKCeta represents a critical target for studying and intervening in obesity-related metabolic complications.
Synonyms	PKC-L; nPKC-eta; PRKCH; PKCL; PRKCL; Protein kinase C eta type
Formula Weight	59,521 Da

**Applications**

Goat protein kinase C Eta (PKCeta) ELISA kit is used to quantify PKCeta in goat samples, providing data to support research in a wide range of areas, including signal transduction & cell regulation, inflammation & immunology, metabolism, obesity, and others.

Research Area

Signal transduction & cell regulation; Inflammation & immunology; Metabolism; Obesity

Specification**Sample Type**

Goat samples

Cross-reactivity

No significant cross-reactivity or interference was observed.

Storage

Store at 2-8°C.