

Lipolysis Activation Antibody Sampler Kit

Cat# AK0183

Upon receipt, store at -20°C. Avoid freeze/thaw cycles.

PRODUCT DESCRIPTION

Triacylglycerol is stored in lipid droplets as a primary energy reserve. During lipolysis, triacylglycerols in adipocytes are hydrolyzed into free fatty acids and glycerol. Perilipin, localized at the periphery of lipid droplets, serves as a protective coating against lipases. Evidence suggests that PKA regulates lipolysis by phosphorylating perilipin and hormone-sensitive lipase (HSL). Phosphorylation of perilipin results in the conformational change that exposes lipid droplets to endogenous lipases, such as HSL. Phosphorylation of HSL at Ser563, Ser659, and Ser660 by PKA stimulates HSL activity, which in turn catalyzes the hydrolysis of triacylglycerol.

PRODUCT INCLUDES

Cat No.	Product name	Quantity	Applications	Reactivity	Host
A340551	LIPE Polyclonal Antibody	20µL	WB, IHC, ELISA	Human, Mouse, Rat	Rabbit
A340128	PLIN1 Polyclonal Antibody	20µL	WB, ELISA	Human, Mouse, Rat	Rabbit
A1013s	Goat Anti-Rabbit IgG (H+L) (peroxidase/HRP conjugated)	120µL	WB, ELISA	Rabbit	Goat

PRODUCT USE LIMITATION

These products are intended for research use only.