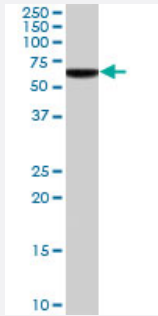


PLIN1 polyclonal antibody

Catalog # PAB7249 Size 100 ug

Applications



Western Blot (Tissue lysate)

PLIN1 polyclonal antibody (Cat # PAB7249) (0.01 ug/mL) staining of human adipose lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Specification

Product Description Goat polyclonal antibody raised against synthetic peptide of PLIN1.

Immunogen A synthetic peptide corresponding to human PLIN1.

Sequence C-PREKPKRRVSDS

Host Goat

Theoretical MW (kDa) 56

Reactivity Human

Form Liquid

Purification Antigen affinity purification

Concentration 0.5 mg/mL

Quality Control Testing Antibody Reactive Against Synthetic Peptide.

Recommend Usage
 ELISA (1:128000)
 Western Blot (0.01 ug/mL)
 The optimal working dilution should be determined by the end user.

Storage Buffer	In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

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- Enzyme-linked Immunoabsorbent Assay

Gene Info — PLIN

Entrez GeneID	5346
Protein Accession#	NP_002657.2
Gene Name	PLIN
Gene Alias	PERI
Gene Description	perilipin
Omim ID	170290
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene coats lipid storage droplets in adipocytes, thereby protecting them until they can be broken down by hormone-sensitive lipase. The encoded protein is the major cAMP-dependent protein kinase substrate in adipocytes and, when unphosphorylated, may play a role in the inhibition of lipolysis. Alternatively spliced transcript variants varying in the 5' UTR, but encoding the same protein, have been found for this gene. [provided by RefSeq]
Other Designations	lipid droplet-associated protein

Publication Reference

- [A proposed model of fat packaging by exchangeable lipid droplet proteins.](#)

Wolins NE, Brasaemle DL, Bickel PE.

FEBS Letters 2006 Sep; 580(23):5484.

Pathway

- [PPAR signaling pathway](#)

Disease

- [Anorexia Nervosa](#)
- [Atherosclerosis](#)
- [Body Weight](#)
- [Brain Ischemia](#)
- [Bulimia](#)
- [Cardiovascular Diseases](#)
- [Cerebral Hemorrhage](#)
- [Diabetes Mellitus](#)
- [Genetic Predisposition to Disease](#)
- [Hypercholesterolemia](#)
- [Hypertension](#)
- [Insulin Resistance](#)
- [Metabolic Syndrome X](#)
- [Obesity](#)
- [Osteoporosis](#)
- [Ovarian Failure](#)
- [Polycystic Ovary Syndrome](#)

- [Puberty](#)
- [Stroke](#)
- [Thrombophilia](#)
- [Tobacco Use Disorder](#)
- [Weight Gain](#)
- [Weight Loss](#)