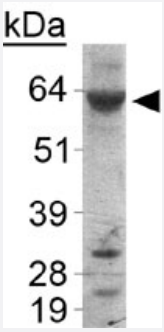
PLIN1 polyclonal antibody

Catalog # PAB12071 Size 100 uL

Applications



Western Blot (Tissue lysate)

Western blot analysis of PLIN1 in human liver samples with PLIN1 polyclonal antibody (Cat # PAB12071).

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of PLIN1.
Immunogen	A synthetic peptide corresponding to amino acids 450-522 of human PLIN1.
Host	Rabbit
Reactivity	Bovine, Human, Mouse, Pig, Rat, Sheep
Form	Liquid
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.
Recommend Usage	Western Blot (2 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In Tris-glycine, 150 mM NaCl (0.05% sodium azide)
Storage Instruction	Store at 4°C for short term. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Western Blot (Tissue lysate)

  Western blot analysis of PLIN1 in human liver samples with PLIN1 polyclonal antibody (Cat # PAB12071).

Gene Info — PLIN

Entrez GeneID	5346
Protein Accession#	O60240
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 th em 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 e ncoding the same protein, have been found for this gene. [provided by RefSeq
Other Designations	lipid droplet-associated protein

Publication Reference

- Expression of perilipin in human promyelocytic cells in response to Anaplasma phagocytophilum infection results in modified lipid metabolism.

  Manzano-Roman R, Almazan C, Naranjo V, Blouin EF, Kocan KM, de la Fuente J.

  Journal of Medical Microbiology 2008 Feb; 57(Pt 2):159.

  Application: IF, Human, HL-60 cells

- Evolutionarily conserved gene family important for fat storage.

  Kadereit B, Kumar P, Wang WJ, Miranda D, Snapp EL, Severina N, Torregroza I, Evans T, Silver DL.

  PNAS 2008 Jan; 105(1):94.

  Application: WB, Mouse, 3T3-L1 cells, Lipid droplets and membranes from mouse brown adipose tissues

- Adipose differentiation-related protein is an ubiquitously expressed lipid storage droplet-associated protein.

  Brasaemle DL, Barber T, Wolins NE, Serrero G, Blanchette-Mackie EJ, Londos C.

  Journal of Lipid Research 1997 Nov; 38(11):2249.

  Application: IF, WB-Ce, Mouse, 3T3-L1, MA-10 Leydig cells

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