

PLIN1 / Perilipin Antibody (Internal)
Goat Polyclonal Antibody
Catalog # ALS12628

Specification

PLIN1 / Perilipin Antibody (Internal) - Product Information

Application	IHC
Primary Accession	O60240
Reactivity	Human, Monkey
Host	Goat
Clonality	Polyclonal
Calculated MW	56kDa KDa

PLIN1 / Perilipin Antibody (Internal) - Additional Information

Gene ID 5346

Other Names

Perilipin-1, Lipid droplet-associated protein, PLIN1, PERI, PLIN

Target/Specificity

Human PLIN1 / Perilipin.

Reconstitution & Storage

Store at -20°C. Minimize freezing and thawing.

Precautions

PLIN1 / Perilipin Antibody (Internal) is for research use only and not for use in diagnostic or therapeutic procedures.

PLIN1 / Perilipin Antibody (Internal) - Protein Information

Name PLIN1

Synonyms PERI, PLIN

Function

Modulator of adipocyte lipid metabolism. Coats lipid storage droplets to protect them from breakdown by hormone-sensitive lipase (HSL). Its absence may result in leanness. Plays a role in unilocular lipid droplet formation by activating CIDEC. Their interaction promotes lipid droplet enlargement and directional net neutral lipid transfer. May modulate lipolysis and triglyceride levels.

Cellular Location

Endoplasmic reticulum. Lipid droplet. Note=Lipid droplet surface-associated.

Tissue Location

Detected in adipocytes from white adipose tissue (at protein level) (PubMed:27832861). Detected

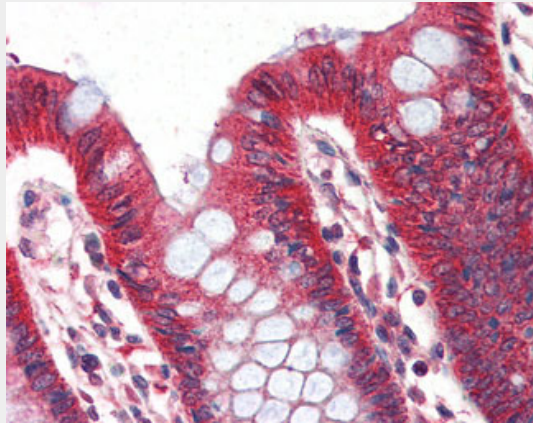
in visceral adipose tissue and mammary gland (PubMed:9521880)

PLIN1 / Perilipin Antibody (Internal) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

PLIN1 / Perilipin Antibody (Internal) - Images



Anti-Perilipin antibody IHC of human colon.

PLIN1 / Perilipin Antibody (Internal) - Background

Modulator of adipocyte lipid metabolism. Coats lipid storage droplets to protect them from breakdown by hormone-sensitive lipase (HSL). Its absence may result in leanness. Plays a role in unilocular lipid droplet formation by activating CIDEC. Their interaction promotes lipid droplet enlargement and directional net neutral lipid transfer. May modulate lipolysis and triglyceride levels.

PLIN1 / Perilipin Antibody (Internal) - References

- Nishiu J., et al. *Genomics* 48:254-257(1998).
Zody M.C., et al. *Nature* 440:671-675(2006).
Gandotra S., et al. *N. Engl. J. Med.* 364:740-748(2011).
Grahn T.H., et al. *Biochem. Biophys. Res. Commun.* 432:296-301(2013).