

PLIN5 Antibody, Biotin conjugated



PACO46757

Product Information

Size:

50ug

Reactivity:

Human

Source:

Rabbit

Isotype:

IgG

Applications:

ELISA

Recommended dilutions:**Protein Background:**

Lipid droplet-associated protein that maintains the balance between lipogenesis and lipolysis and also regulates fatty acid, oxidation in oxidative tissues. Recruits mitochondria to the surface of lipid droplets and is involved in lipid droplet homeostasis by regulating both the storage of fatty acid, in the form of triglycerides and the release of fatty acid, for mitochondrial fatty acid, oxidation. In lipid droplet triacylglycerol hydrolysis, plays a role as a scaffolding protein for three major key lipolytic players: ABHD5, PNPLA2 and LIPE. Reduces the triacylglycerol hydrolase activity of PNPLA2 by recruiting and sequestering PNPLA2 to lipid droplets. Phosphorylation by PKA enables lipolysis probably by promoting release of ABHD5 from the perilipin scaffold and by facilitating interaction of ABHD5 with PNPLA2. Also increases lipolysis through interaction with LIPE and upon PKA-mediated phosphorylation of LIPE.

Gene ID:

PLIN5

Uniprot

Q00G26

Synonyms:

Perilipin-5 (Lipid storage droplet protein 5), PLIN5, LSDP5 OXPAT PAT-1

Immunogen:

Recombinant Human Perilipin-5 protein (305-453AA).

Storage:

Preservative: 0.03% Proclin 300. Constituents: 50% Glycerol, 0.01M PBS, PH 7.4

Product Images

N/A

N/A