

Product: Anti-Perilipin
Catalog #: 03-GP33
Amount: 25 µl

CATEGORY: Guinea Pig Polyclonal
IMMUNOGEN: C-terminus of perilipin (hCTA/B; aa 507-519)
FORM: Stabilized antiserum, containing 0.1% Sodium Azide

**REACTIVE POLYPEPTIDE/
SPECIFICITY:**

Perilipins build a family of phosphoproteins. The predominant forms in adipocytes, perilipin A and B arise by alternative RNA splicing from a single gene, generating polypeptides of 57 and 46kD, respectively. The antiserum reacts specifically with perilipins located at the surface of intracellular storage lipid droplets present e.g. in the adrenal gland, adipocytes of white and brown adipose tissue and cultured cells such as 3T3-L1 adipocytes and cultured steroidogenic adrenal cortical and Leydig cells. The antiserum does not cross react with adipophilin (ADRP) or TIP47 proteins (additional membrane of the PAT-family)

**ANTIGEN RECOGNIZED IN
SPECIES:**

Human, Bovine

APPLICATION:

Immunohistochemistry, suitable for frozen & paraffin embedded tissue after microwave treatment
Immunoblotting (Western, ECL)

WORKING DILUTION:

Immunohistochemistry: 1:100 to 1:200
Western Blotting: 1:2,000 (ECL)

INCUBATION TIME:

1 hour at room temperature for immunohistochemistry

STORAGE:

2-8°C for immediate use, or at -20°C (aliquots)

REFERENCE:

Greenberg AS. et al.(1992) JBC **266**:11341-11346
Blanchette-Mackle, EJ et al. (1995) J. Lipid Res. **36**(6): 1211-1226
Souza, SA et al. (1998) JBC **273**(38): 24665-24669
Held, HW et al. (1998) Cell Tissue Res. **294**: 309-321
Yamaguchi, T. et al. (2006) Mol Cell Biochem **284**: 167-173
Muthusamy, K. et al. (2006) J Clin Pathol. in press

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