

Product: Anti-MLDP (OXPAT/PAT-1)
Catalog #: 03-GP31
Amount: 25 µl

CATEGORY: Guinea Pig Polyclonal
IMMUNOGEN: Synthetic Peptide (C-terminal, aa 451-463 of human MLDP).
Sequence: CPVKHTLMPELDF
FORM: Stabilized antiserum, containing 0.1% Sodium Azide
DESCRIPTION/SPECIFICITY: Polypeptide reacting: MLDP (Myocardial Lipid Droplet Protein) also described as OXPAT/PAT-1. Molecular Weight (M_r): 50,844 (from aa sequence data); apparent M_r : 52,000 (SDS-PAGE)
MLDP pertains to the PAT-family proteins, covering the surface of cytoplasmic lipid droplets and sharing a homologous domain called PAT. Additional PAT proteins include adipophilin (ADRP), perilipin, and TIP47 which are expressed in differentiation-related stages of lipid metabolism
TISSUE
IMMUNOLOCALIZATION: MLDP is positively detected in heart, skeletal muscle
ANTIGEN RECOGNIZED IN SPECIES: Human, Bovine, Mouse
REACTIVITIES IN CULTURE
CELL LINES (tested so far): HaCat (human), SV80 (human), 3T3-L1 (Mouse)
APPLICATION: Immunohistochemistry, suitable for frozen sections
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:
Wolins, NE. et al. (2006) Diabetes **55**: 3418-3428
Wolins, NE. et al. (2006) FEBS Letter **580**: 5484-5491
Yamaguchi, T et al. (2006) J Biol Chem **281**: 14232-14240

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