Pab to MLDP (OXPAT/PAT-1)

Category
Guinea pig polyclonal (GP31)

Purification / Form
Stabilized antiserum

Immunogen
Synthetic peptide (C-terminal aa 451-463 of human MLDP; CPVKHTLMPELDF)

Description/Specificity
Polypeptide reacting: MLDP = myocardial lipid droplet protein (also described as OXPAT/PAT-1), MW 50,844 (calculated from aa sequence data); apparent Mr, 52,000 (after 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 (tested so far)
Human, bovine, mouse

Reactivities on Cultured Cell Lines (tested so far)
HaCat (human), SV80 (human), 3T3-L1 (mouse)

Application
• Immunoblotting (Western blot)
• Immunohistochemistry on cells and frozen tissues
• Cytological material

Working Dilution
1:100-200 for immunohistochemistry
1:2000 for immunoblotting

Incubation Time
1 h at room temperature or over night at 2-8°C

Storage
At 2-8°C

Quantity
100 µL (contains 0.09% sodium azide)

References

Cat. No. GP31