Anti-Perilipin 5

Catalog No.  GP31
Quantity  100 µl

Source  guinea pig polyclonal
Immunogen  synthetic peptide (C-terminal aa 451-463 of human MLDP; CPVKHTLMPELDF)
UniProt ID  Q00G26
Reactivity  human, bovine, mouse, rat
Purification  stabilized antiserum
Conjugate  unconjugated
Formulation  contains 0.09% sodium azide
Storage  short term at 2 – 8 ºC; long term storage in aliquots at -20 ºC; avoid freeze/ thaw cycles

Tested Applications
ICC  assay dependent
IHC (frozen)  1:100 – 1:200
WB  1:2000

Background
Polypeptide reacting: MLDP = myocardial lipid droplet protein (also described as OXPAT/PAT-1 and perilipin 5/ PLIN5), MW 50,844 (calculated from aa sequence data); apparent Mr 52,000 (after SDS-PAGE)
MLDP/ PLIN5 pertains to the PLIN/PAT-family proteins, covering the surface of cytoplasmic lipid droplets and sharing a homologous domain called PAT.
No cross-reactivity with additional PLIN/PAT proteins (including adipophilin/ADRP/PLIN2, perilipin/PLIN1, and TIP47/PLIN3) which are expressed in differentiation-related stages of lipid metabolism.
Immunolocalization: MLDP/ PLIN5 is positively detected in heart and skeletal muscle
Tested cultured cell lines: HaCat (human), SV80 (human), 3T3-L1 (mouse)

References


