

Product: Anti-TIP47/PP17
Catalog #: 03-GP30
Amount: 25 ml

CATEGORY: Guinea pig Polyclonal
FORM: Whole Serum containing 0.09% sodium azide
IMMUNOGEN: Synthetic peptide of TIP47 N-terminus (aa 1-16)
DESCRIPTION/SPECIFICITY: TIP47 (synonymous with PP17b1) has been described as cargo protein involved in the trafficking of the mannose-6-phosphate receptor between endosomes and the Golgi complex (see reference).
The protein has been localized in milk fat globule membranes of human and bovine origin.
PP17b1 has been described also as a placental protein. Increased amounts of PP17b1 are secreted in circulation of cervix carcinoma patients.
After radical surgery PP17b1 serum levels are decreased. The protein probably is significant as an oncodevelopmental marker. TIP47 or PP17b1 show about 40% sequence homology to adipophilin.
The antiserum, however, does not cross react with adipophilin and perilipin.

ANTIGEN RECOGNIZED IN

SPECIES (tested so far): Human, bovine

REACTIVITIES ON CULTURED

CELL LINES (tested so far): 3T3 cells

APPLICATION: Immunohistochemistry on frozen and paraffin sections after microwave treatment; Immunoblotting

WORKING DILUTION: 1:100 to 1:200 for immunohistochemistry

1:1,000 for immunoblotting (ECL method)

INCUBATION TIME: 1 hour at room temperature for immunohistochemistry

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

REFERENCES:

Diaz, E. et al. (1998) Cell **93**: 433-443

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