

Product: Anti-TIP47/PP17
Catalog #: 03-GP32
Amount: 25 µl

CATEGORY: Guinea pig Polyclonal
FORM: Stabilized Antiserum, containing 0.1% sodium azide
IMMUNOGEN: Synthetic human TIP47 (hCTA/B; aa 420-431, C-terminal) conjugated to KLH
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
REACTIVITIES IN CULTURE CELL LINES (tested so far): PLC
POSITIVE CONTROL:
APPLICATION: Immunohistochemistry on frozen and paraffin sections after microwave treatment
Immunoblotting (western, ECL)
WORKING DILUTION: 1:100 - 1:200 for Immunofluorescence microscopy applications
1:1000 for Immunoblotting (western, ECL)
INCUBATION TIME: 1 hour at room temperature (extended with paraffin)
STORAGE: 2-8°C for immediate use, or at -20°C (aliquot)

REFERENCES:

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Than, NG. et al. (1999) Tumor Biol **20**: 184-192
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Robenek, H. et al. (2005) J Biol Chem **280**: 26330-26338
Robenek, H. et al. (2006) Proc. Natl Acad Sci USA **103**: 10385-10390
Muthusamy, K. et al. (2006) J Clin Pathol

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