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(818)-707-0392 (Fax)
order@abiocode.com
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RPL5 (C) Antibody, Rabbit Polyclonal

Cat#: R0261-1

Quantity: 100 ul

Predicted M.W.: 34 kDa

Lot#: Refer to vial

Application: WB

Uniprot ID: P46777

Background:

Ribosomes, the organelles that catalyze protein synthesis, consist of a small 40S subunit and a large 60S subunit. Together these subunits are composed of 4 RNA species and approximately 80 structurally distinct proteins. RPL5 is a component of the 60S subunit that belongs to the L18P family of ribosomal proteins. RPL5 is located in the cytoplasm and binds 5S rRNA to form a stable complex called the 5S ribonucleoprotein particle (RNP), which is necessary for the transport of nonribosome-associated cytoplasmic 5S rRNA to the nucleolus for assembly into ribosomes. RPL5 interacts specifically with the beta subunit of casein kinase II. Variable expression of RPL5 in colorectal cancers compared to adjacent normal tissues has been observed, although no correlation between the level of expression and the severity of the disease has been found.

Other Names:

60S ribosomal protein L5, MSTP030, ribosomal protein L5, DBA6

Source and Purity:

Rabbit polyclonal antibodies were produced by immunizing animals with a GST-fusion protein containing the C-terminal region of human RPL5. Antibodies were purified by affinity purification using immunogen.

Storage Buffer and Condition:

Supplied in 1 x PBS (pH 7.4), 100 ug/ml BSA, 40% Glycerol, 0.01% NaN₃. Store at -20 °C. Stable for 6 months from date of receipt.

Species Specificity:

Human, Mouse

Tested Applications:

WB: 1:1,000-1:5,000 (detect endogenous protein*)

*: The apparent protein size on WB may be different from the calculated M.W. due to modifications.

Product Data:

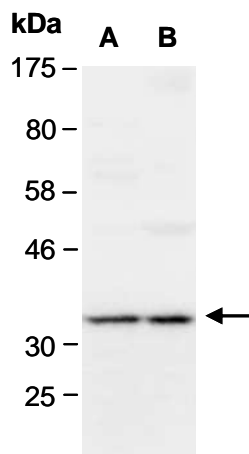


Fig 1. Western blot of total cell extracts from (A) human HepG2, (B) mouse liver, using Ab (R0261-1) at RT for 2 h.