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RPTOR (C1) Antibody, Rabbit Polyclonal

Cat#: R0856-2

Quantity: 100 ul

Predicted | Observed M.W.: 149 kDa

Lot#: Refer to vial

Application: WB

Uniprot ID: Q8N122

Background:

Regulatory-associated protein of mTOR (RPTOR) belongs to the WD repeat RAPTOR family. RPTOR is involved in the control of the mammalian target of rapamycin complex 1 (mTORC1) activity which regulates cell growth and survival, and autophagy in response to nutrient and hormonal signals; RPTOR functions as a scaffold for recruiting mTORC1 substrates. mTORC1 is activated in response to growth factors or amino acids. Growth factor-stimulated mTORC1 activation involves a AKT1-mediated phosphorylation of TSC1-TSC2, which leads to the activation of the RHEB GTPase that potentially activates the protein kinase activity of mTORC1.

Other Names:

Regulatory-associated protein of Mtor, Raptor, p150 target of rapamycin (TOR)-scaffold protein, KIAA1303, RAPTOR

Source and Purity:

Rabbit polyclonal antibodies were produced by immunizing animals with a GST-fusion protein containing the C-terminal region of human RPTOR. 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

Tested Applications:

WB: 1:1,000-1:3,000 (detect endogenous protein*)

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

Product Data:

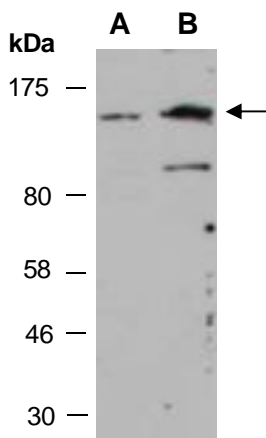


Fig 1. Western blot of total cell extracts from A) human HeLa, B) human Jurkat; using anti-RPTOR (C1) (R0856-2) at RT for 2 h.