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APC (N) Antibody, Rabbit Polyclonal

Cat#: R0831-1

Quantity: 100 ul

Predicted I Observed M.W.: 312 kDa

Lot#: Refer to vial

Application: WB

Uniprot ID: P25054

Background:

APC is a tumor suppressor. Promotes rapid degradation of CTNNB1 and participates in Wnt signaling as a negative regulator. APC activity is correlated with its phosphorylation state. APC activates the GEF activity of SPATA13 and ARHGEF4. Plays a role in hepatocyte growth factor (HGF)-induced cell migration. APC is required for MMP9 up-regulation via the JNK signaling pathway in colorectal tumor cells. APC acts as a mediator of ERBB2-dependent stabilization of microtubules at the cell cortex. APC is required for the localization of MACF1 to the cell membrane and this localization of MACF1 is critical for its function in microtubule stabilization. Defects in APC may cause familial adenomatous polyposis, hereditary desmoid disease, medulloblastoma, mismatch repair cancer syndrome, gastric cancer, and hepatocellular carcinoma.

Other Names:

Adenomatous polyposis coli protein, Protein APC, Deleted in polyposis 2.5, DP2.5, DP3, PPP1R46

Source and Purity:

Rabbit polyclonal antibodies were produced by immunizing animals with a GST-fusion protein containing the N-terminal region of human APC. 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: 1:1,000-1:5,000 (detect endogenous protein*)

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

Product Data:

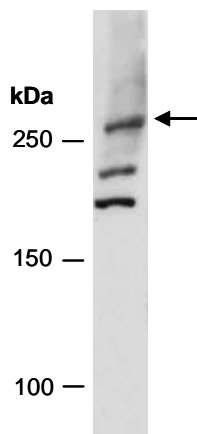


Fig 1. Western blot of total cell extracts from human Jurkat; using anti-APC (N) (R0831-1) at RT for 2 h.