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Rabbit Polyclonal anti- β -catenin1 (C) Antibody

Cat#: R0008-2

Lot#: Refer to vial

Quantity: 100 μ l

Application: WB

Predicted M.W.: 85 kDa

Uniprot ID: P35222

Background:

-catenin1 is a key downstream effector of the Wnt signaling pathway. It is implicated in early embryonic development and tumorigenesis. CK1 phosphorylates -catenin1 on Ser45, which primes -catenin1 for subsequent phosphorylation by GSK-3 at Ser33, Ser37 and Thr41. Phosphorylation of -catenin1 by GSK-3 leads to its degradation. Wnt signaling antagonizes GSK-3b and stabilizes β -catenin1. Mutations in these phosphorylation sites, which result in the stabilization of -catenin1 protein levels, have been found in many tumor cell lines.

Other Names:

beta-catenin, CTNNB1, OK/SW-cl.35, CATNB, DKFZp686D02253, FLJ25606, FLJ37923

Source and Purity:

Rabbit polyclonal antibodies were produced by immunizing animals with a GST-fusion protein containing the C-terminal region of human β -catenin1. Antibodies were purified by affinity purification using immunogen.

Storage Buffer and Condition:

Supplied in 1x PBS (pH 7.4), 100 μ g/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:

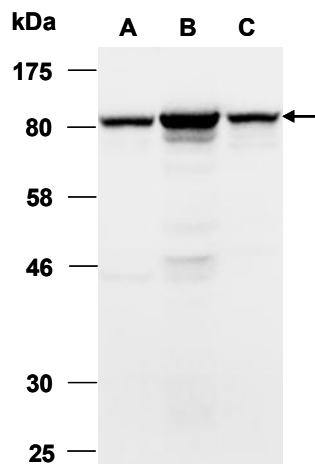


Fig 1. Western blot of total cell extracts from (A) human MDA-MB231, (B) mouse brain, (C) mouse Thymus, using Ab (R0008-2) at RT for 2 h.