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## Rabbit Polyclonal anti- $\beta$ -catenin1 (N) Antibody

**Cat#:** R0008-1

**Lot#:** Refer to vial

**Quantity:** 100  $\mu$ 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  $\beta$ -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 N-terminal region of human  $\beta$ -catenin1. Antibodies were purified by affinity purification using immunogen.

### **Storage Buffer and Condition:**

Supplied in 1x PBS (pH 7.4), 100  $\mu$ g/ml BSA, 40% Glycerol, 0.01% NaN<sub>3</sub>. Store at -20 °C. Stable for 6 months from date of receipt.

### **Species Specificity:**

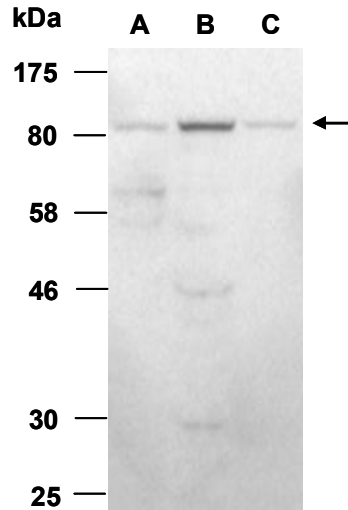
Human, Mouse

### **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 (R0008-1) at RT for 2 h.