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β -catenin1 (vPair™) Antibodies

Cat#: R0008-vp

Lot#: Refer to vial

Predicted M.W.: 85 kDa

Uniprot ID: P35222

Application: WB

Quantity: 50 ul β -catenin1 (N) (R0008-1) Rabbit Polyclonal Antibody &
50 ul β -catenin1 (C) (R0008-2) Rabbit Polyclonal Antibody

Product Introduction:

vPair™ antibodies represent a pair of fully characterized antibodies that recognize two different regions of a target protein. The product is developed by Abiocode to address whether the signal observed truly represents the protein of interest, an often encountered issue in antibody-based assays. The use of a pair of fully characterized vPair™ antibodies in the same assay can validate signal specificity since vPair™ antibodies recognize two independent epitopes of the same protein. Different sets of vPair™ antibodies are developed at Abiocode to work with specific applications, including antibody arrays, Western blot, IP-Western, ChIP, IHC, and FACS.

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 either the N-terminal [β -catenin1 (N) (R0008-1)] or the C-terminal region [β -catenin1 (C) (R0008-2)] of human β -catenin1. Antibodies were purified by affinity purification using immunogens.

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.

For research use only. Not for therapeutic or diagnostic purposes.
Abiocode, Inc., 29397 Agoura Rd., Ste 106, Agoura Hills, CA 91301

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:

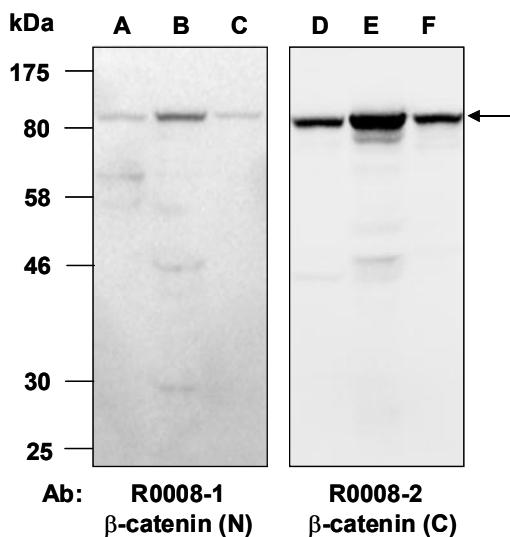


Fig 1. Western blot of total cell extracts from human MDA-MB231 (A, D), mouse brain (B, E) and mouse thymus (C, F), using indicated antibodies at RT for 2 h.