

**PathScan® Total β -Catenin Sandwich
ELISA Antibody Pair****Orders:** 877-616-CELL (2355)
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cellsignal.com**UniProt ID:** #P35222
Entrez-Gene Id: #1499

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For Research Use Only. Not for Use in Diagnostic Procedures.**Description**

CST's PathScan® Total β -Catenin Sandwich ELISA Antibody Pair is being offered as an economical alternative to our PathScan® Total β -Catenin Sandwich ELISA Kit #7308. Capture and Detection antibodies (100X stocks) and HRP-conjugated secondary antibody (1000X stock) are supplied. Sufficient reagents are supplied for 4 x 96 well ELISAs. The β -Catenin Capture Antibody is coated in PBS overnight in a 96 well microplate. After blocking, cell lysates are added followed by a β -Catenin Detection Antibody and anti-Rabbit IgG, HRP conjugated antibody. HRP substrate, TMB, is added for color development. The magnitude of the absorbance for this developed color is proportional to the quantity of total β -Catenin protein.

Antibodies in kit are custom formulations specific to kit.

Background

β -catenin is a key downstream effector in the Wnt signaling pathway (1). It is implicated in two major biological processes in vertebrates: early embryonic development (2) and tumorigenesis (3). CK1 phosphorylates β -catenin at Ser45. This phosphorylation event primes β -catenin for subsequent phosphorylation by GSK-3 β (4-6). GSK-3 β destabilizes β -catenin by phosphorylating it at Ser33, Ser37, and Thr41 (7). Mutations at these sites result in the stabilization of β -catenin protein levels and have been found in many tumor cell lines (8).

Background References

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Revision 1

#7309

PathScan[®] Total β -Catenin Sandwich ELISA Antibody Pair

