

## Phospho-Catenin-Beta (T41/S45) Polyclonal Antibody

### Description

<b>Product type</b>	Primary Antibody
<b>Code</b>	BT-PHS00048
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Size</b>	20ul, 50ul, 100ul
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human Catenin-beta around the phosphorylation site of Thr41/Ser45. AA range:11-60
<b>Mol wt</b>	85497
<b>Species reactivity</b>	Human, mouse, rat
<b>Clonality</b>	Polyclonal
<b>Recommended application</b>	WB, ELISA
<b>Concentration</b>	1 mg/ml
<b>Full name</b>	Phospho-Catenin-beta (T41/S45) Antibody
<b>Synonyms</b>	CTNNB1; CTNNB; OK/SW-cl.35; Catenin beta-1; Beta-catenin

**This product is for research use only, not for use in human, therapeutic or diagnostic procedure.**

### Background

Catenin beta 1 encoded by CTNNB1 is part of a complex of proteins that constitute adherens junctions (AJs). AJs are necessary for the creation and maintenance of epithelial cell layers by regulating cell growth and adhesion between cells. Catenin beta 1 also anchors the actin cytoskeleton and may be responsible for transmitting the contact inhibition signal that causes cells to stop dividing once the epithelial sheet is complete. Finally, catenin beta 1 binds to the product of the APC gene, which is mutated in adenomatous polyposis of the colon. Mutations in CTNNB1 are a cause of colorectal cancer (CRC), pilomatixoma (PTR), medulloblastoma (MDB), and ovarian cancer. Three transcript variants encoding the same protein have been found for CTNNB1.

### Recommended Dilution

WB: 1: 500 - 1: 2000

ELISA: 1: 20000

Not yet tested in other applications.

### Images

No images.

### Storage

-20°C for one year