

## Catenin-beta Polyclonal Antibody

### Description

<b>Product type</b>	Primary Antibody
<b>Code</b>	BT-AP14701
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Size</b>	20ul, 50ul, 100ul
<b>Immunogen</b>	Synthetic peptide from human protein at AA range: 20-80
<b>Mol wt</b>	N/A
<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>	Catenin beta-1
<b>Synonyms</b>	Catenin beta-1 ;Beta-catenin; Catenin beta-1; Beta-catenin

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

### Background

The protein encoded by this gene 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. The encoded protein 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, this protein binds to the product of the APC gene, which is mutated in adenomatous polyposis of the colon. Mutations in this gene are a cause of colorectal cancer (CRC), pilomatixoma (PTR), medulloblastoma (MDB), and ovarian cancer. Alternative splicing results in multiple transcript variants.

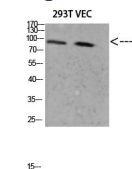
### Recommended Dilution

WB: 1: 500 - 1: 2000

ELISA: 1: 10000 - 1: 20000

Not yet tested in other applications.

### Images



Western blot analysis of 3T3 mouse-kidney KB K562 Hela 293T lysate, antibody was diluted at 1000. Secondary antibody was diluted at 1:20000

### Storage

-20°C for 1 year