

Phospho-Catenin-Beta (S37) Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-PHS00047
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized peptide derived from human Catenin-beta around the phosphorylation site of Ser37. AA range:3-52
Mol wt	85497
Species reactivity	Human, mouse, rat
Clonality	Polyclonal
Recommended application	WB, IHC-p, IF, ELISA
Concentration	1 mg/ml
Full name	Phospho-Catenin-beta (S37) Antibody
Synonyms	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

IHC: 1: 100 - 1: 300

IF: 1: 200 - 1: 1000

ELISA: 1: 40000

Not yet tested in other applications.

Images

No images.

Storage

-20°C for one year