BT LAB
Bioassay Technology Laboratory
Optimize Your Research

Beta-Catenin Monoclonal Antibody(13C6)

Description

Product type	Primary Antibody
Code	BT-MCA1342
Host	Mouse
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	Synthetic Peptide of Beta-Catenin
Mol wt	85497
Species reactivity	Human,Mouse,Rat
Clonality	Monoclonal
Recommended application	WB, IHC-p, IF
Concentration	1 mg/ml
Full name	Catenin beta-1
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

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), pilomatrixoma (PTR), medulloblastoma (MDB), and ovarian cancer. Alternative splicing results in multiple transcript variants.

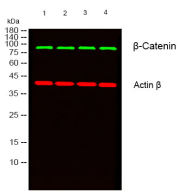
Recommended Dilution

IHC: 1:200

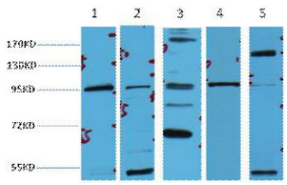
WB: 1:1000

Not yet tested in other applications.

Images



Western blot analysis of lysates from 1) Hela, 2) 293T, 3) MCF7, 4) Mouse Brain tissue, 5) Rat LiverTissue cells, (Green) primary antibody was diluted at 1:1000, 4°overnight, secondary antibody was diluted at 1:10000, 37°C 1hour. (Red) Actin Beta Polyclonal Antibody antibody was diluted at 1:5000 as loading control, 4°C overnight,secondary antibody was diluted at 1:10000, 37°C 1hour.



Western blot analysis of 1) Hela, 2) 293T, 3) MCF7, 4) Mouse Brain tissue, 3) Rat LiverTissue diluted at 1:2000.

Storage

-20°C for one year

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