

Beta-Catenin Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP09791
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	Recombinant Protein of Catenin beta-1
Mol wt	85497
Species reactivity	Mouse, Rat
Clonality	Polyclonal
Recommended application	WB
Concentration	1 mg/ml
Full name	beta-Catenin 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

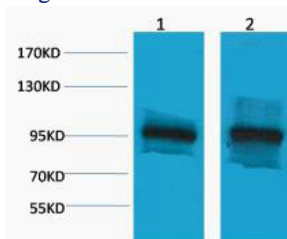
The protein encoded by CTNNB1 (catenin beta 1) is part of a complex of proteins that constitute adherens junctions (AJs). AJs are necessary for the creation and maintenance of epithelial cell layers by regulating cell growth and adhesion between cells. The encoded protein also anchors the actin cytoskeleton 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 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: 2000 - 4000

Not yet tested in other applications.

Images



Western blot analysis of 1) 3T3, 2) Rat Liver, diluted at 1:2,000. Secondary antibody was diluted at 1:20000

Storage

-20°C for one year