

**Cat. No:** MAB-94627  
**Size:** 100 ug  
**Clone:** CB29  
**Concentration:** 1mg/ml  
**Host:** Ms  
**Isotype:** IgG  
**Immunogen:** Recombinant protein of human  $\beta$ -Catenin.  
**Reactivity:** Hu, Ms, Rt

**Applications:** vWestern Blot: 1:500 - 1:2000  
 Immunohistochemistry: 1:50 - 1:200  
 Immunofluorescence: 1:50 - 1:200  
 Flow cytometry: 1:50 - 1:200

**Molecular Weight:** 92kDa

**Purification:** Aff. Pur.

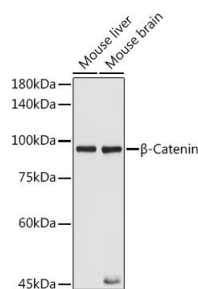
**Synonyms:** CTNNB;MRD19;armadillo;beta Catenin;CTNNB1

**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.

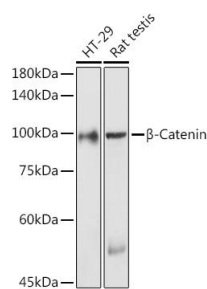
**Form:** Liquid

**Buffer:** PBS with 0.02% sodium azide and 50% glycerol pH 7.4

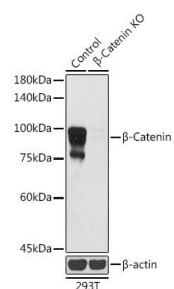
**Storage:** Store at -20°C. Avoid freeze / thaw cycles.



Western blot analysis of extracts of various cell lines, using  $\beta$ -Catenin antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Mouse IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST.

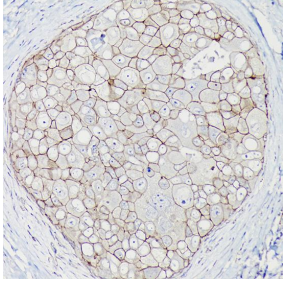


Western blot analysis of extracts of various cell lines, using  $\beta$ -Catenin antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Mouse IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST.



Western blot analysis of extracts from normal (control) and  $\beta$ -Catenin knockout (KO) 293T cells, using  $\beta$ -Catenin antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Mouse IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in

Detection: ECL West Pico Plus Exposure  
time: 1s.



Immunohistochemistry of paraffin  
embedded human breast cancer using  $\beta$ -  
Catenin Mouse mAb at dilution of 1:100  
(40x lens).

Detection: ECL West Pico Plus.  
Exposure time: 30s.

TBST. Detection: ECL West Pico Plus.  
Exposure time: 30s.

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