

Mouse Monoclonal Antibody to CTNNB1

Order Information

Catalog#	31278
Size/Concentration	100µl 50µl
Price(¥)	2180 1280

Description

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.

Specification

Aliases : CTNNB; MRD19; armadillo;Beta-catenin
 Entrez GeneID : 1499
 Swissprot : P35222
 clone : 7C5D2
 WB Predicted band size : 85.5kDa
 Host/Isotype : Mouse IgG2b
 Storage : Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
 Species Reactivity : Human
 Immunogen : Purified recombinant fragment of human CTNNB1 (AA: 1-100) expressed in E. Coli.
 Formulation : Purified antibody in PBS with 0.05% sodium azide

Application

WB	1/500 - 1/2000
IHC	1/200 - 1/1000
FCM	1/200 - 1/400
ELISA	1/10000

References

1. Anticancer Res. 2016 Apr;36(4):1599-604.
2. Int J Clin Exp Pathol. 2015 Nov 1;8(11):14989-94.

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Protocol

WB - www.promab.com/protocol/wb.html
 IHC - www.promab.com/protocol/ihc.html
 ICC - www.promab.com/protocol/icc.html
 HCM - www.promab.com/protocol/hcm.html

Antigen Sequence is available upon request.

Products and Services

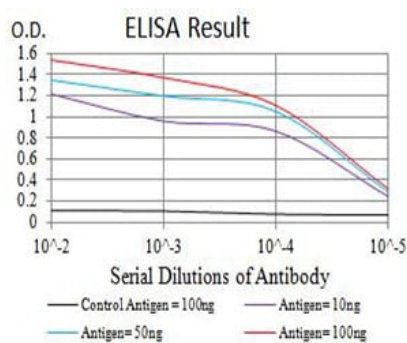
- Mouse Monoclonal Antibody
- Rat Monoclonal Antibody
- Human Antibody
- Hybridoma Sequencing
- Polyclonal Antibody

For Research Only

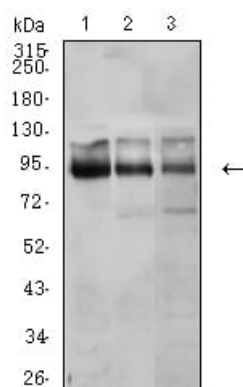
Application Key: WB - Western Blot | IHC - Immunohistochemistry | ICC - Immunocytochemistry | FCM - Flow Cytometry | ELISA - Enzyme-linked Immunosorbent Assay | IP - Immunoprecipitation

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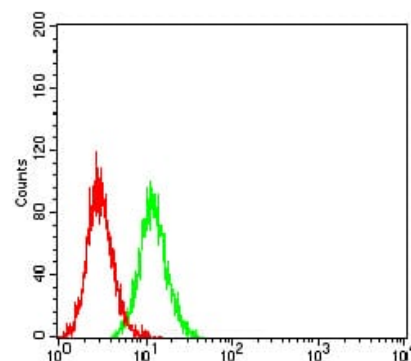
Mouse Monoclonal Antibody to CTNNB1



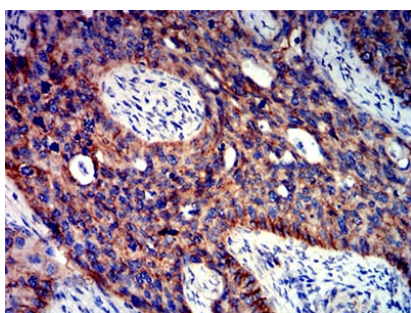
Black line: Control Antigen (100 ng); Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng)



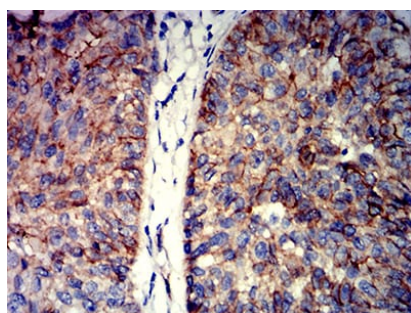
Western blot analysis using CTNNB1 mouse mAb against A431 (1), U251 (2), and HEK293 (3) cell lysate.



Flow cytometric analysis of K562 cells using CTNNB1 mouse mAb (green) and negative control (red).



Immunohistochemical analysis of paraffin-embedded human cervical cancer tissues using CTNNB1 mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded human bladder cancer tissues using CTNNB1 mouse mAb with DAB staining.

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