

Mouse Monoclonal Antibody to CTNNB1

Order Information

Catalog#	31277
Size/Concentration	50ul 100µl
Price(¥)	1280 2180

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

Entrez GeneID	1499
Aliases	CTNNB; MRD19; armadillo; CTNNB1;Beta-catenin
Clone#	7C5A2
MW	85.5kDa
Host/Isotype	Mouse IgG2b
Storage	4°C; -20°C for long term storage. Avoid freeze/thaw cycles.
Species Reactivity	Human,Mouse
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

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

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

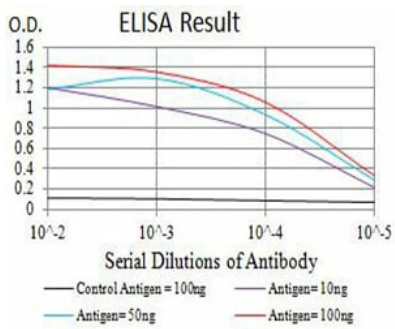
- Mouse Monoclonal Antibody
- Rat Monoclonal Antibody
- Human Antibody
- Hybridoma Sequencing
- Polyclonal Antibody

For Research Only

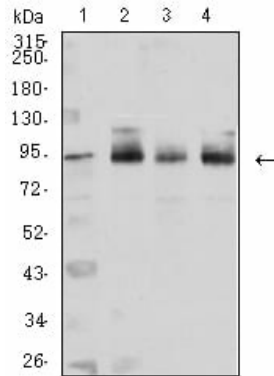
Application Key: **WB** - Western Blot | **IHC** - Immunohistochemistry | **ICC** - Immunocytochemistry | **FCM** - Flow Cytometry | **ELISA** - Enzyme-linked Immunosorbent Assay | **IP** - Immunoprecipitation

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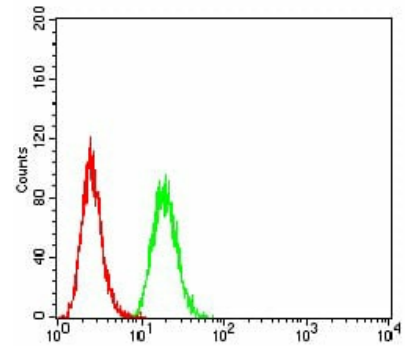
Mouse Monoclonal Antibody to CTNNB1



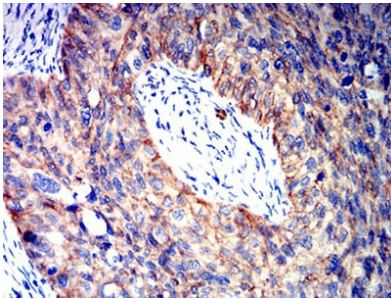
Black line: Control Antigen (100 ng); Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng)



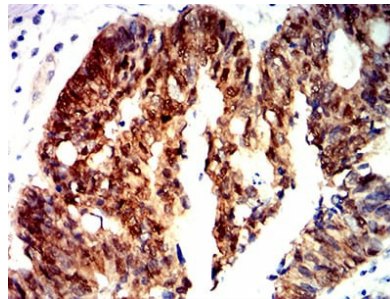
Western blot analysis using CTNNB1 mouse mAb against HeLa (1), SH-SY5Y (2), NIH/3T3 (3), and HEK293(4) cell lysate.



Flow cytometric analysis of HeLa 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 rectum cancer tissues using CTNNB1 mouse mAb with DAB staining.

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