Product Name: **CTNNB1 Mouse Monoclonal Antibody**
Catalog #: **AMM82528**
For research use only.

Summary

Description	Mouse monoclonal Antibody
Host	Mouse
Application	WB,IHC,ELISA,FC
Reactivity	Human, Mouse, Rat, Monkey
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Monoclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Purified antibody in PBS with 0.05% sodium azide
Purification	Affinity Purification

Application

Dilution Ratio	WB 1:500-1:2000,IHC 1:200-1:1000,ELISA 1:5000-1:20000,FC 1:200-1:400
Molecular Weight	85.5kDa

Antigen Information

Gene Name	CTNNB1
Alternative Names	CTNNB; MRD19; armadillo;Beta-catenin
Gene ID	1499.0
SwissProt ID	P35222
Immunogen	Purified recombinant fragment of human CTNNB1 (AA: 632-781) expressed in E. Coli.

Background

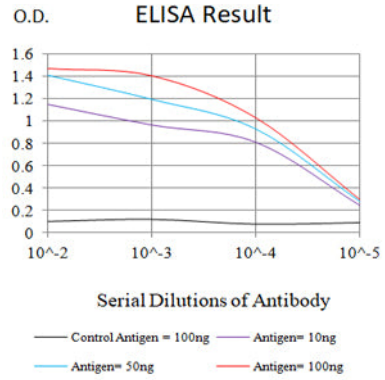
The protein encoded by this gene is part of a complex of proteins that constitute adherens junctions (AJs). AJs are necessary for the creation and maintenance of epithelial cell layers by regulating cell growth and adhesion between cells. The encoded protein also anchors the actin cytoskeleton and may 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.

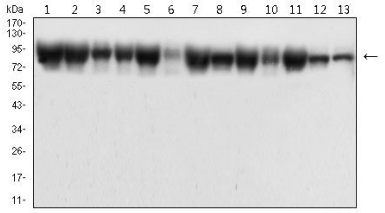
Research Area

Wnt signaling pathway,Hippo signaling pathway

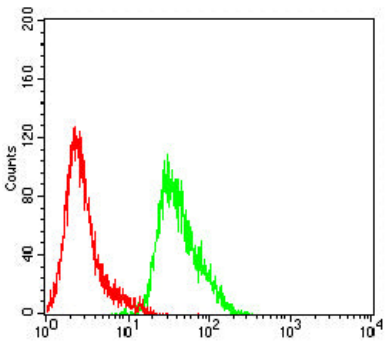
Image Data



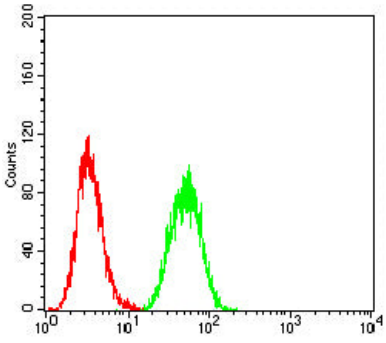
Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng)



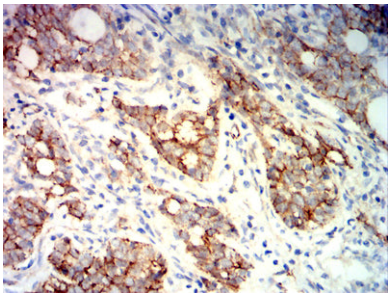
Western blot analysis using CTNNB1 mouse mAb against Hela (1), HepG2 (2),NIH3T3 (3),MCF-7 (4), C6 (5),COS-7 (6),K562 (7),Jurkat (8), A549 (9),SH-SY5Y (10),BEL-7402 (11), HEK293 (12), and HEK293-6e (13) cell lysate.



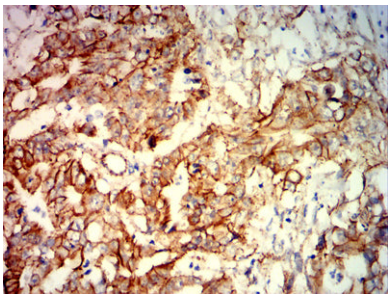
Flow cytometric analysis of HepG2 cells using CTNNB1 mouse mAb (green) and negative control (red).



Flow cytometric analysis of A549 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 rectal cancer tissues using CTNNB1 mouse mAb with DAB staining.