

**Name: CTNNB1 mouse monoclonal antibody, clone UMAB14**  
**Product Data Sheet - UltraMAB**

**Catalog: UM500014**

Gene Name: Homo sapiens catenin (cadherin-associated protein), beta 1, 88kDa (CTNNB1), transcript variant 1  
GeneBank accession: NM\_001904  
Isotype: IgG1

Reactivity: Human , Dog , Rat , Monkey , Mouse  
Test application: WB  
Clone Name: Clone UMAB14

**Gene Synonym:** armadillo; CTNNB; MRD19

**Guaranteed Applications:** WB, IHC, IF, FC, 10K-CHIP

**Suggested Dilutions:** WB 1:500~2000, IHC 1:150, FLOW 1:100,

**Immunogen:** Full length human recombinant protein of human CTNNB1 (NP\_001895) produced in HEK293T cell.

**Components:**

- CTNNB1 mouse monoclonal antibody, clone UMAB14 (UM500014)

**Amount:**

UM500014 100ul

**Concentration:** 0.5~1.0 mg/ml (Lot Dependent)

**Storage Condition:** Shipped at 4C. Upon delivery store at -20C. Dilute in PBS (pH7.3) before use. Stable for 12 months from date of receipt. Avoid repeated freeze-thaws.

**Buffer:** PBS (PH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.

**Purification:**

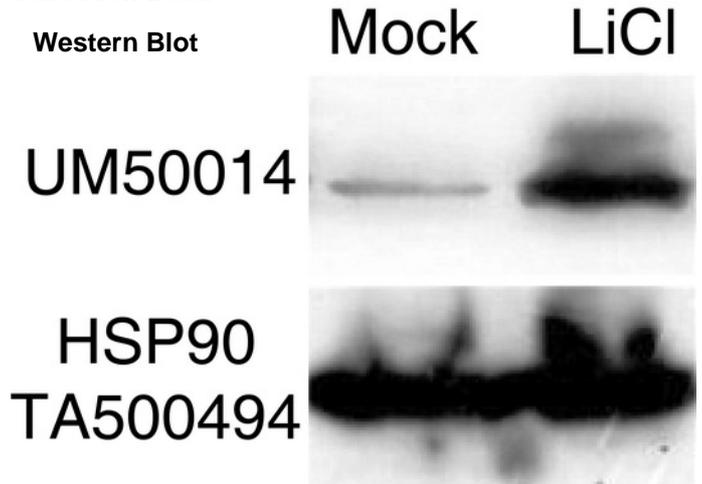
Purified from mouse ascites fluids by affinity chromatography

**Background:**

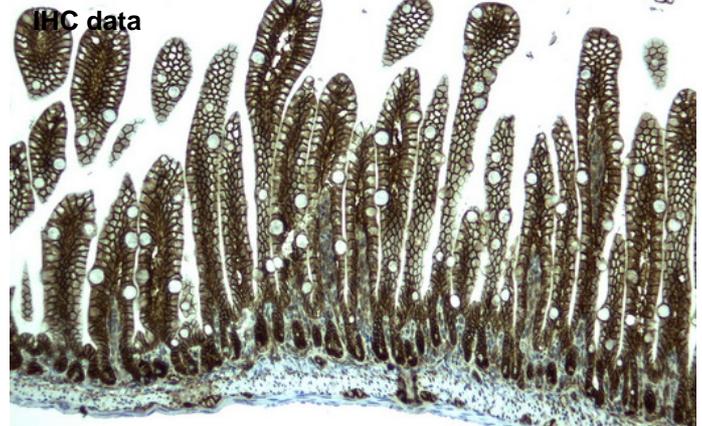
The protein encoded by this gene is part of a complex of proteins that constitute adherens junctions (AJs). AJs are necessary for the creation and maintenance of epithelial cell layers by regulating cell growth and adhesion between cells. The encoded protein also anchors the actin cytoskeleton and may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

**Validation Data:**

**Western Blot**



Western analysis of HEK 293T cells without treatment or treated with 30mM LiCl for 16 hours, using anti-beta-catenin antibody (clone UMAB14). Anti-HSP90 (TA500494) was used as internal loading control.



Immunohistochemical staining of paraffin-embedded Mouse colon tissue using anti-beta-catenin mouse monoclonal antibody. (Clone UMAB14, Dilution 1:100)

**Related Product:**

- TrueORF cDNA clones
- VERIFY Tagged Antigen lysates
- HuSH-29 shRNA
- Western Blot reagents
- Anti-myc/DDK tag antibodies

\* Peptide sequence of the DDK-tag (Flag®): N-DYKDDDDK-C Flag® is a registered trademark of Sigma-Aldrich

\* More validation images may be available on our website:

<http://www.origene.com/antibody/UM500014.aspx>

***This product is to be used for laboratory only. Not for diagnostic or therapeutic use.***