

A20221

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## β-Catenin Mouse mAb

Catalog No.: A20221

2 Publications

### Basic Information

#### Observed MW

92kDa

#### Calculated MW

85kDa

#### Category

Mouse Monoclonal Antibody

#### Applications

WB, IHC-P, ELISA

#### Cross-Reactivity

Human, Mouse, Rat

#### CloneNo number

AMC0440

### 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.

### Recommended Dilutions

WB	1:500 - 1:1000
IHC-P	1:50 - 1:200

### Immunogen Information

#### Gene ID

1499

#### Swiss Prot

P35222

#### Immunogen

A synthetic peptide corresponding to a sequence within amino acids 300-400 of human β-Catenin (NP\_001895.1).

#### Synonyms

EVR7; CTNNB; MRD19; NEDSDV; armadillo; β-Catenin

### Contact



[www.abclonal.com](http://www.abclonal.com)

### Product Information

#### Source

Mouse

#### Isotype

IgG1, Kappa

#### Purification

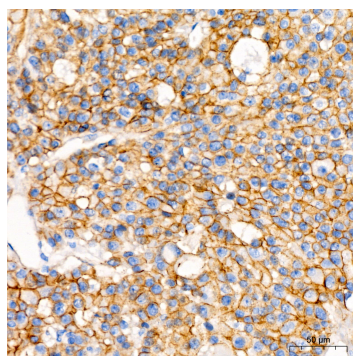
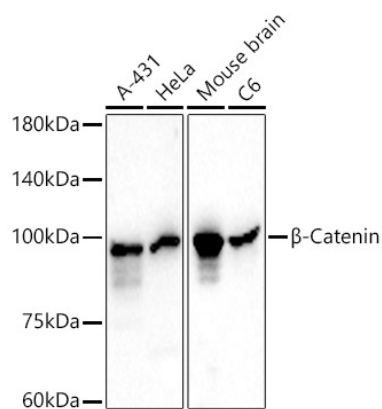
Affinity purification

#### Storage

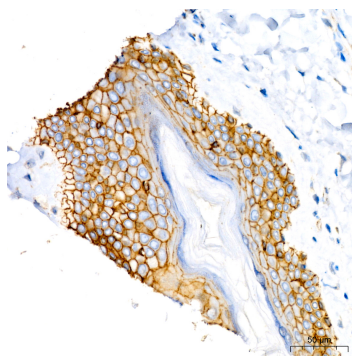
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300, 50% glycerol, pH7.3.

## Validation Data



Immunohistochemistry analysis of  $\beta$ -Catenin in paraffin-embedded human liver cancer using  $\beta$ -Catenin Mouse mAb (A20221) at dilution of 1:50 (40x lens). Perform high pressure antigen retrieval with 10 mM Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Immunohistochemistry analysis of  $\beta$ -Catenin in paraffin-embedded human skin using  $\beta$ -Catenin Mouse mAb (A20221) at dilution of 1:50 (40x lens). Perform high pressure antigen retrieval with 10 mM Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.