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**Product Name: Beta-catenin Mouse Monoclonal Antibody****Catalog #: AMM22077**

For research use only.

**Summary**

<b>Description</b>	Mouse Monoclonal Antibody
<b>Host</b>	Mouse
<b>Application</b>	IHC,ELISA
<b>Reactivity</b>	Human,Mouse,Rat
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG2b,Kappa
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA
<b>Purification</b>	The antibody was affinity-purified from ascites by affinity-chromatography using specific immunogen.

**Application**

<b>Dilution Ratio</b>	IHC 1:200-400;ELISA 1:500-5000
<b>Molecular Weight</b>	Calculated MW:84kDa,Observed MW:94kDa

**Antigen Information**

<b>Gene Name</b>	CTNNB1 CTNNB OK/SW-cl.35 PRO2286
<b>Alternative Names</b>	CTNNB1;CTNNB;OK/SW-cl.35;Catenin beta-1;Beta-catenin
<b>Gene ID</b>	Human:1499
<b>SwissProt ID</b>	Human:P35222
<b>Immunogen</b>	Synthesized peptide derived from human Beta-catenin AA range: 700-781

**Background**

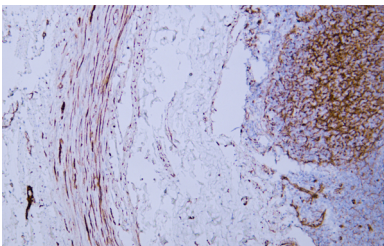
The protein encoded by this gene is part of a complex of proteins that constitute adherens junctions (AJs). AJs are necessary for the creation and maintenance of epithelial cell layers by regulating cell growth and adhesion between cells. The encoded protein also anchors the actin cytoskeleton and may 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. [provided by RefSeq, Aug 2016],

## Research Area

Pathology

## Image Data



Human appendix tissue was stained with anti-Beta-catenin antibody.