

Product Name: KO-Validated Beta Catenin Recombinant Rabbit Monoclonal Antibody
Catalog #: KVAAb00128

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC,IHC-P
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000; ICC 1:100-1:1,000; IHC-P 1:100-1:200
Molecular Weight	Calculated MW: 85.5kDa

Antigen Information

Gene Name	CTNNB1 CTNNB1; Catenin Beta 1; Beta-Catenin; Armadillo; CTNNB; Catenin (Cadherin-Associated
Alternative Names	Protein), Beta 1, 88kDa; Catenin Beta-1; Catenin (Cadherin-Associated Protein), Beta 1 (88kD); Catenin (Cadherin-Associated Protein), Beta 1; NEDSDV; MRD19; EVR7
Gene ID	1499.0
SwissProt ID	P35222
Immunogen	A synthesized peptide derived from human beta Catenin

Background

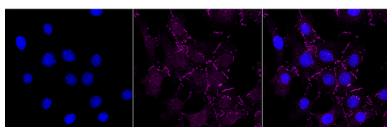
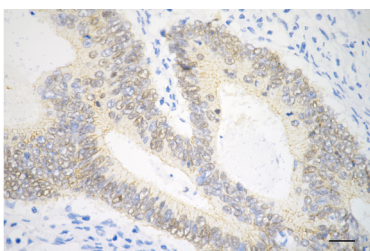
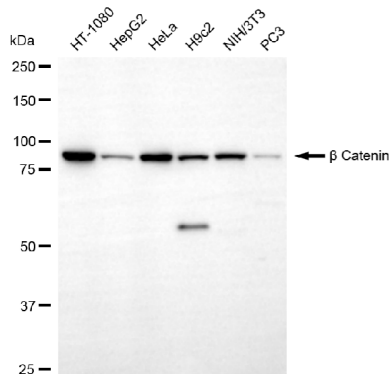
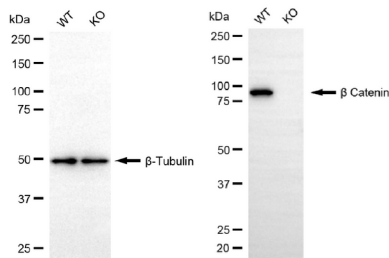
The protein encoded by this gene is part of a complex of proteins that constitute adherens junctions (AJs). AJs are necessary for the creation and maintenance of epithelial cell layers by regulating cell growth and adhesion between cells. The encoded

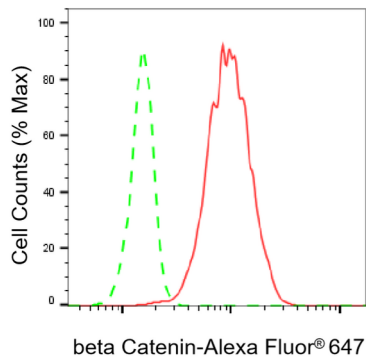
protein also anchors the actin cytoskeleton and may be responsible for transmitting the contact inhibition signal that causes cells to stop dividing once the epithelial sheet is complete. Finally, this protein binds to the product of the APC gene, which is mutated in adenomatous polyposis of the colon. 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

Signal Transduction, Neuroscience, Stem Cells, Cancer, Cardiovascular

Image Data





Flow cytometric analysis of beta Catenin expression in C2C12 cells using beta Catenin antibody (KVA00128, 1:2,000). Green, isotype control; red, beta Catenin.