

[KO Validated] β -Catenin Rabbit mAb

Catalog No.: A19657 **KO Validated** **Recombinant** **17 Publications**

Basic Information

Catalog No.

A19657

Observed MW

92kDa

Calculated MW

92kDa

Category

Primary antibody

Applications

WB,IHC,IF,IP

Cross-Reactivity

Human, Mouse, Rat

Recommended Dilutions

WB	1:500 - 1:2000
IHC	1:50 - 1:200
IF	1:50 - 1:200
IP	1:50 - 1:200

Contact

 | www.abclonal.com

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]

Immunogen Information

Gene ID	Swiss Prot
1499	P35222

Immunogen

A synthetic peptide corresponding to a sequence within amino acids 1-100 of human beta Catenin (P35222).

Synonyms

CTNNB;MRD19;armadillo;beta Catenin;CTNNB1

Product Information

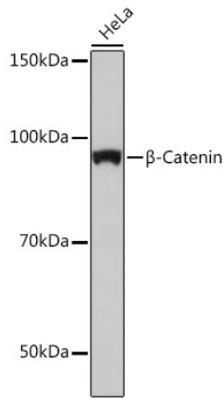
Source	Isotype	Purification
Rabbit	IgG	Affinity purification

Storage

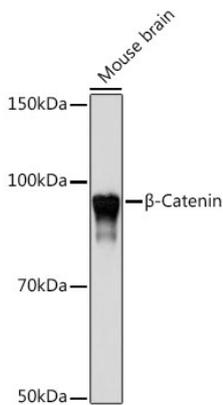
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide,0.05% BSA,50% glycerol,pH7.3.

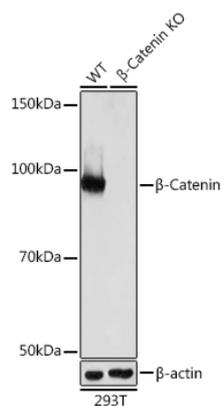
Validation Data



Western blot analysis of extracts of HeLa cells, using β -Catenin antibody (A19657) at 1:1000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25ug per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 10s.

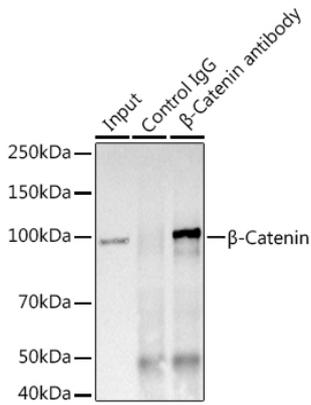


Western blot analysis of extracts of Mouse brain, using β -Catenin antibody (A19657) at 1:1000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25ug per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 10s.

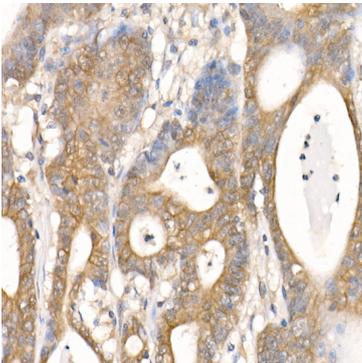


Western blot analysis of extracts from wild type (WT) and β -Catenin knockout (KO) 293T cells, using β -Catenin antibody (A19657) at 1:1000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25ug per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 10s.

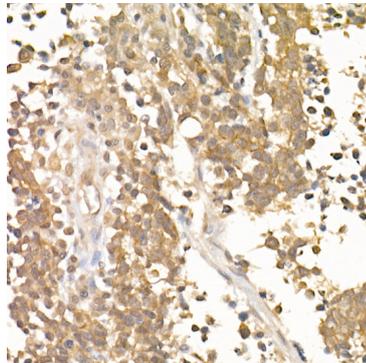
Validation Data



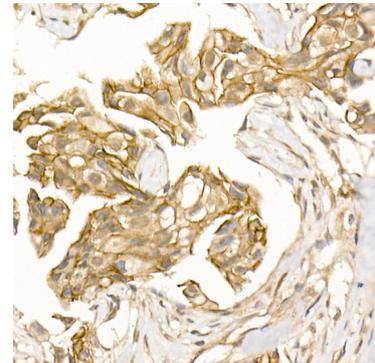
Immunoprecipitation analysis of 600ug extracts of Mouse brain using 3ug β -Catenin antibody (A19657). Western blot was performed from the immunoprecipitate using β -Catenin (A19657) at a dilution of 1:1000.



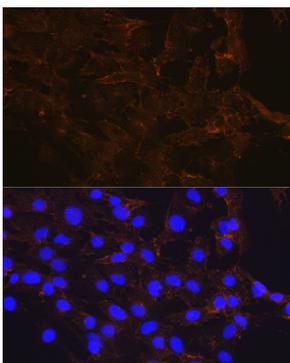
Immunohistochemistry of paraffin-embedded Human colon carcinoma using β -Catenin antibody (A19657) at dilution of 1:100 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



Immunohistochemistry of paraffin-embedded Human small cell lung cancer using β -Catenin antibody (A19657) at dilution of 1:100 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



Immunohistochemistry of paraffin-embedded Human breast cancer using β -Catenin antibody (A19657) at dilution of 1:100 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



Immunofluorescence analysis of C6 cells using β -Catenin antibody (A19657) at dilution of 1:100. Blue: DAPI for nuclear staining.