

A19657

Leader in Biomolecular Solutions for Life Science



[KO Validated] β -Catenin Rabbit mAb

Catalog No.: A19657

KO Validated

Recombinant

68 Publications

Basic Information

Observed MW

92kDa

Calculated MW

85kDa

Category

SMab Recombinant Monoclonal Antibody

Applications

WB,IHC-P,IF/ICC,IP,ELISA

Cross-Reactivity

Human,Mouse,Rat

CloneNo number

ARC0136

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
IF/ICC	1:50 - 1:200
IP	0.5 μ g-4 μ g antibody for 400 μ g-600 μ g extracts of whole cells

Immunogen Information

Gene ID

1499

Swiss Prot

P35222

Immunogen

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

Synonyms

EVR7; CTNNB; MRD19; NEDSDV; armadillo; in

Contact



www.abclonal.com

Product Information

Source

Rabbit

Isotype

IgG

Purification

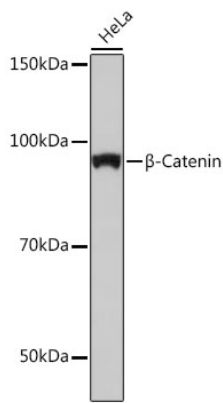
Affinity purification

Storage

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

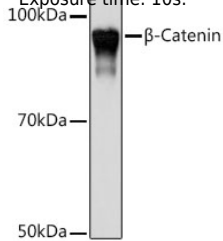
Buffer: PBS with 0.05% proclin300,0.05% BSA,50% glycerol,pH7.3.

Validation Data

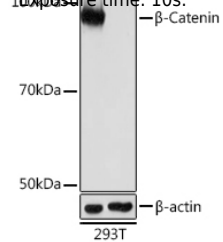


Western blot analysis of lysates from HeLa cells, using [KO Validated] β -Catenin Rabbit mAb (A19657) at 1:1000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 μ g per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic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

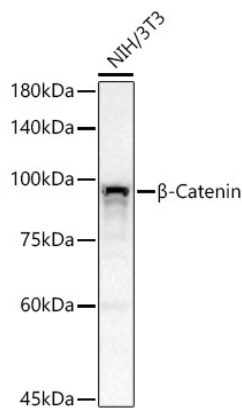
Western blot analysis of lysates from Mouse brain, using [KO Validated] β -Catenin Rabbit mAb (A19657) at 1:1000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 μ g per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic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



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

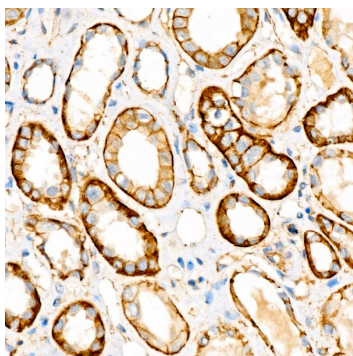
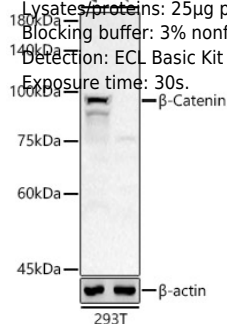


Validation Data

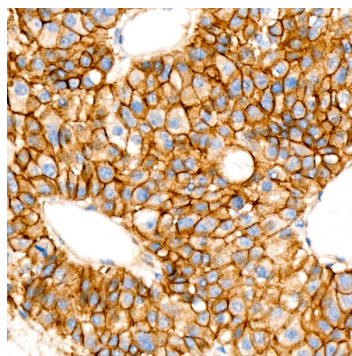


Western blot analysis of lysates from NIH/3T3 cells, using [KO Validated] β -Catenin Rabbit mAb (A19657) at 1:1000 dilution.
Lysates/proteins: 25 μ g per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 30s.

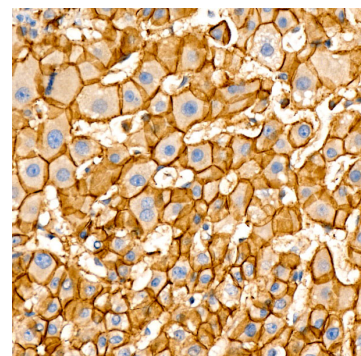
Western blot analysis of lysates from wild type(WT) and β -Catenin knockout (KO) 293T(KO) cells, using [KO Validated] β -Catenin Rabbit mAb (A19657) at 1:1000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 μ g per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 30s.



Immunohistochemistry analysis of β -Catenin in paraffin-embedded human kidney using [KO Validated] β -Catenin Rabbit mAb (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.

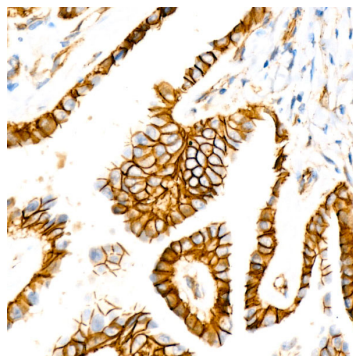


Immunohistochemistry analysis of β -Catenin in paraffin-embedded human liver cancer using [KO Validated] β -Catenin Rabbit mAb (A19657) at dilution of 1:100 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.

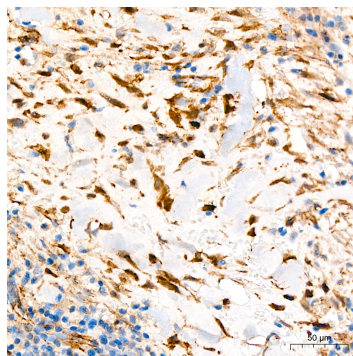


Immunohistochemistry analysis of β -Catenin in paraffin-embedded human liver using [KO Validated] β -Catenin Rabbit mAb (A19657) at dilution of 1:100 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.

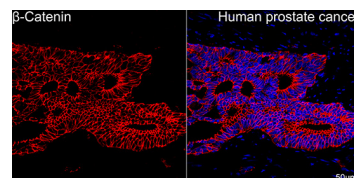
Validation Data



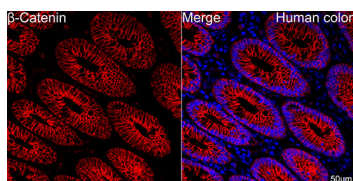
Immunohistochemistry analysis of β -Catenin in paraffin-embedded human thyroid cancer using [KO Validated] β -Catenin Rabbit mAb (A19657) at dilution of 1:100 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



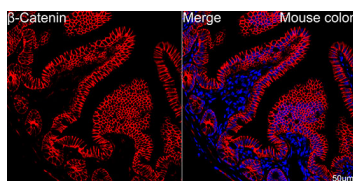
Immunohistochemistry analysis of β -Catenin in paraffin-embedded Human solitary fibrous tumor tissue using [KO Validated] β -Catenin Rabbit mAb (A19657) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M Tris-EDTA buffer (pH 9.0) prior to IHC staining.



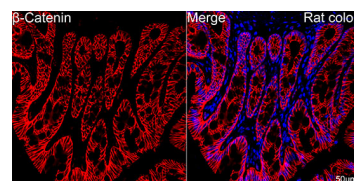
Confocal imaging of paraffin-embedded Human prostate cancer tissue using [KO Validated] β -Catenin Rabbit mAb (A19657, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). High pressure antigen retrieval performed with 0.01M Citrate Buffer(pH 6.0) prior to IF staining. Objective: 40x.



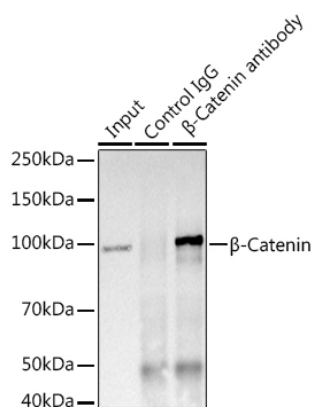
Confocal imaging of paraffin-embedded Human colon tissue using [KO Validated] β -Catenin Rabbit mAb (A19657, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). High pressure antigen retrieval performed with 0.01M Citrate Buffer(pH 6.0) prior to IF staining. Objective: 40x.



Confocal imaging of paraffin-embedded Mouse colon tissue using [KO Validated] β -Catenin Rabbit mAb (A19657, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). High pressure antigen retrieval performed with 0.01M Citrate Buffer(pH 6.0) prior to IF staining. Objective: 40x.



Confocal imaging of paraffin-embedded Rat colon tissue using [KO Validated] β -Catenin Rabbit mAb (A19657, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). High pressure antigen retrieval performed with 0.01M Citrate Buffer(pH 6.0) prior to IF staining. Objective: 40x.



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