A19657

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[KO Validated] β-Catenin Rabbit mAb

Catalog No.: A19657 KO Validated Recombinant 105 Publications

Basic Information

Observed MW
92kDa

Calculated MW
85kDa

Category
Monoclonal Antibody

Applications
WB,IHC-P,IP,ChIP,ELISA,IF-F,IF-P

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), pilomatrixoma (PTR), medulloblastoma (MDB), and ovarian cancer. Alternative splicing results in multiple transcript variants.

Recommended Dilutions

WB	1:4000 - 1:20000
IP	0.5μg-4μg antibody for 400μg-600μg extracts of whole cells
IF-F	1:200 - 1:600
IF-P	1:50 - 1:200
IHC-P	1:500 - 1:2000
ChIP	2μg antibody for 5μg-15μg of Chromatin
ELISA	Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID
1499

Swiss Prot
P35222

Immunogen
Synthetic peptide. This information is considered to be commercially sensitive.

Synonyms
EVR7; CTNNB; MRD19; NEDSDV; armadillo; in

Product Information

Source
Rabbit

Isotype
IgG

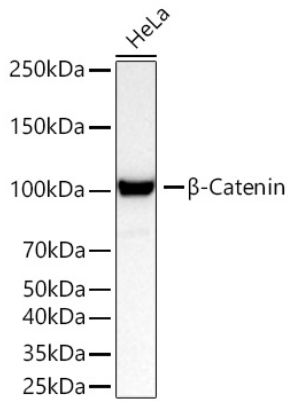
Purification
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

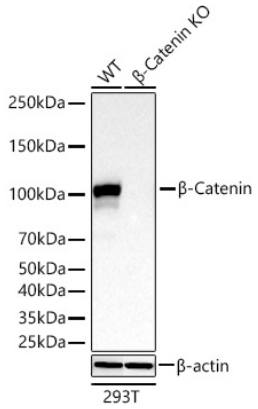
Contact

www.abclonal.com

Validation Data



Western blot analysis of lysates from HeLa cells using [KO Validated] β-Catenin Rabbit mAb (A19657) at 1:4000 dilution incubated at room temperature for 1.5 hours.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 45s.



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 1:4000 dilution incubated at room temperature for 1.5 hours.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
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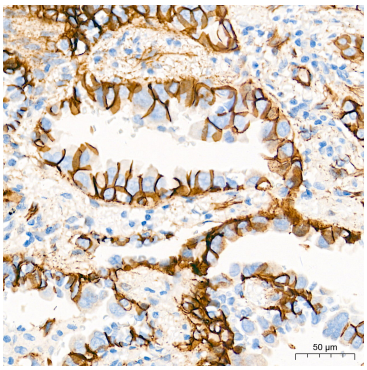
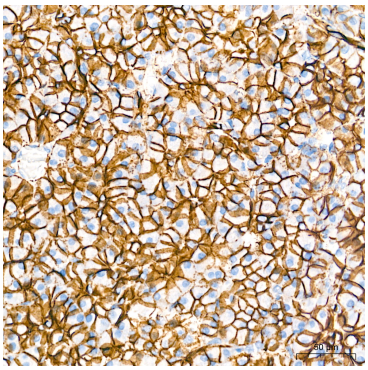
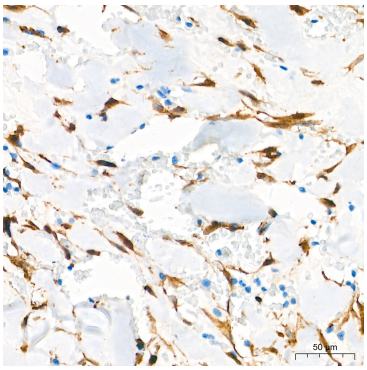


Immunohistochemistry analysis of paraffin-embedded Human lung cancer tissue using [KO Validated] β-Catenin Rabbit mAb (A19657) at a dilution of 1:800 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.

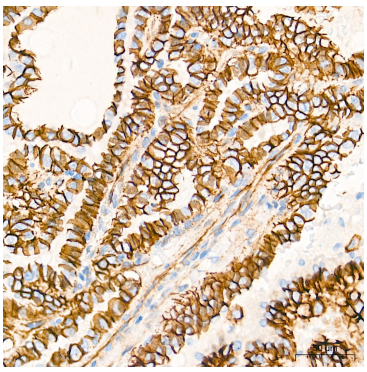


Immunohistochemistry analysis of paraffin-embedded Human pancreas tissue using [KO Validated] β-Catenin Rabbit mAb (A19657) at a dilution of 1:800 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.

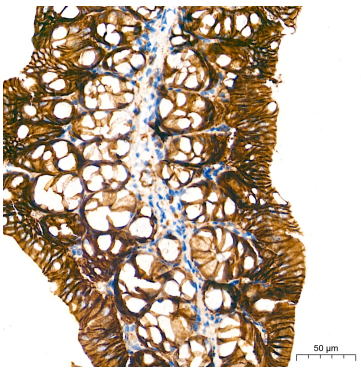


Immunohistochemistry analysis of paraffin-embedded Human solitary fibrous tumor tissue using [KO Validated] β-Catenin Rabbit mAb (A19657) at a dilution of 1:800 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.

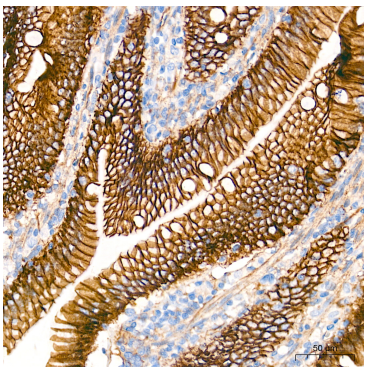
Validation Data



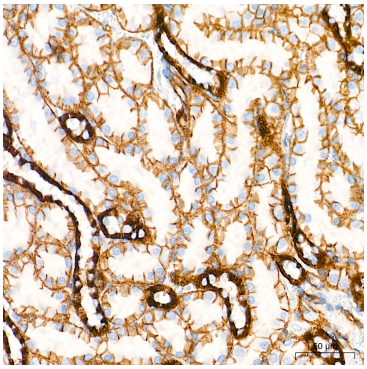
Immunohistochemistry analysis of paraffin-embedded Human thyroid cancer tissue using [KO Validated] β-Catenin Rabbit mAb (A19657) at a dilution of 1:800 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



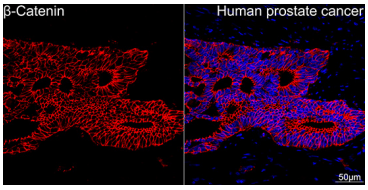
Immunohistochemistry analysis of paraffin-embedded Mouse intestin tissue using [KO Validated] β-Catenin Rabbit mAb (A19657) at a dilution of 1:800 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



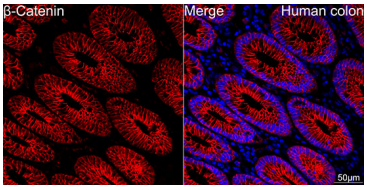
Immunohistochemistry analysis of paraffin-embedded Rat intestine tissue using [KO Validated] β-Catenin Rabbit mAb (A19657) at a dilution of 1:800 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



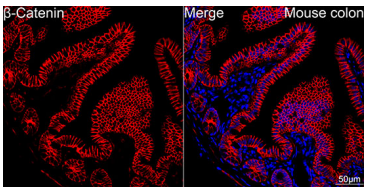
Immunohistochemistry analysis of paraffin-embedded Rat kidney tissue using [KO Validated] β-Catenin Rabbit mAb (A19657) at a dilution of 1:800 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



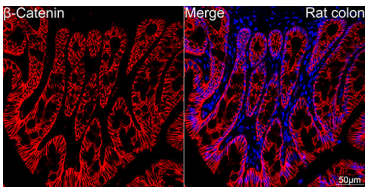
Confocal imaging of paraffin-embedded Human prostate cancer tissue using [KO Validated] β-Catenin Rabbit mAb (A19657, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). High pressure antigen retrieval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



Confocal imaging of paraffin-

Validation Data

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.

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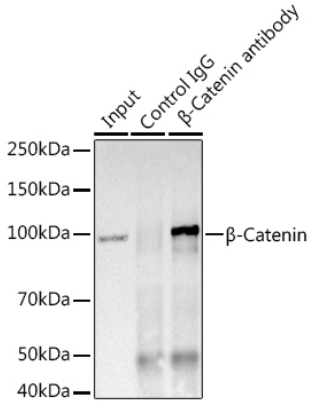
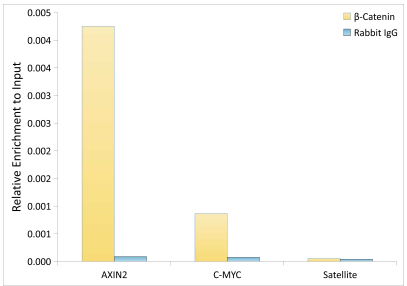
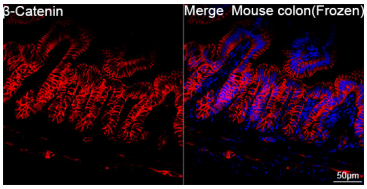
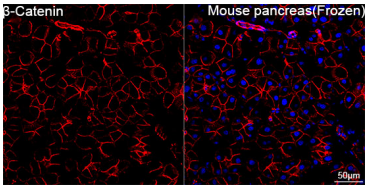


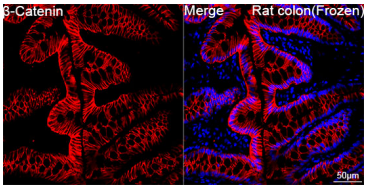
Immunoprecipitation analysis of 600 µg extracts of Mouse brain using 3 µg β-Catenin antibody (A19657). Western blot was performed from the immunoprecipitate using β-Catenin (A19657) at a dilution of 1:1000.



Chromatin immunoprecipitation was performed with 15 µg of cross-linked chromatin from SW620 cells were treated with Wnt3a(200 ng/mL, 4 h), using 2 µg of [KO Validated] β-Catenin Rabbit mAb (A19657) and Rabbit IgG isotype control (AC042). The enrichment of immunoprecipitated DNA at different genomic loci was examined by quantitative PCR. The histogram compares the ratio of the immunoprecipitated DNA to the input at given loci.







Confocal imaging of frozen sections of Mouse colon tissue using [KO Validated] β-Catenin Rabbit mAb (A19657, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red).

Confocal imaging of frozen sections of Mouse pancreas tissue using [KO Validated] β-Catenin Rabbit mAb (A19657, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red).

Confocal imaging of frozen sections of Rat colon tissue using [KO Validated] β-Catenin Rabbit mAb (A19657, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red).

Validation Data

DAPI was used for nuclear staining (Blue). Microwave antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.

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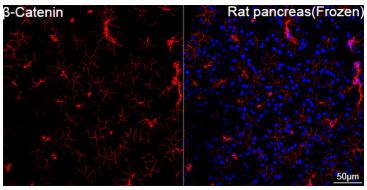

Confocal imaging of frozen sections of Rat pancreas tissue using [KO Validated] β-Catenin Rabbit mAb (A19657, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Microwave antigen retrieval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