

A19657

Leader in Biomolecular Solutions for Life Science



[KO Validated] β -Catenin Rabbit mAb

Catalog No.: A19657

KO Validated

Recombinant

98 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 1:4000 - 1:20000

IHC-P 1:500 - 1:2000

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

ELISA Recommended starting
concentration is 1
 μ g/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°C. Avoid freeze / thaw cycles.

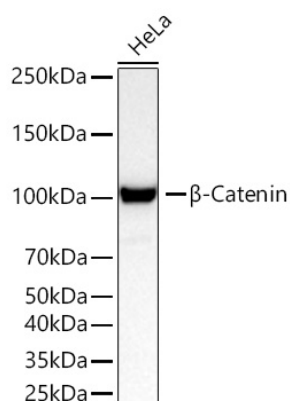
Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

Contact

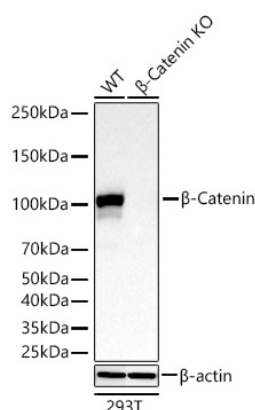


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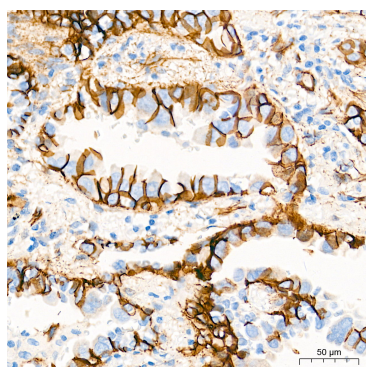
Validation Data



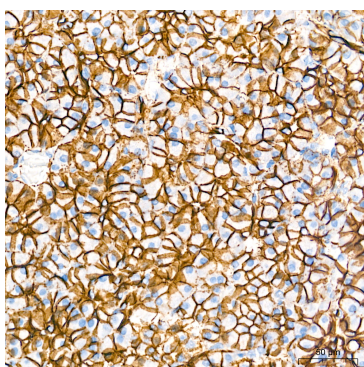
Western blot analysis of lysates from HeLa cells using [KO Validated] β -Catenin Rabbit mAb (A19657) at 1:4000 dilution incubated at room temperature for 1.5 hours. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 μ g per lane.
Blocking buffer: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



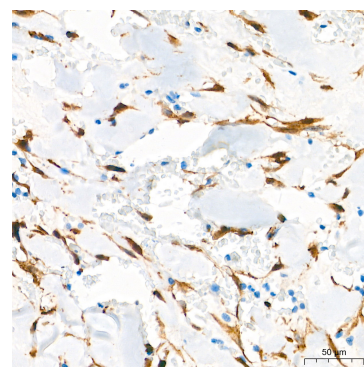
Western blot analysis of lysates from wild type (WT) and β -Catenin knockout (KO) 293T cells using [KO Validated] β -Catenin Rabbit mAb (A19657) at 1:4000 dilution incubated at room temperature for 1.5 hours. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 μ g per lane.
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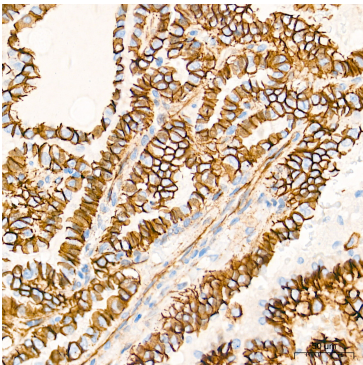
Immunohistochemistry analysis of paraffin-embedded Human lung cancer tissue using [KO Validated] β -Catenin Rabbit mAb (A19657) at a dilution of 1:800 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



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.



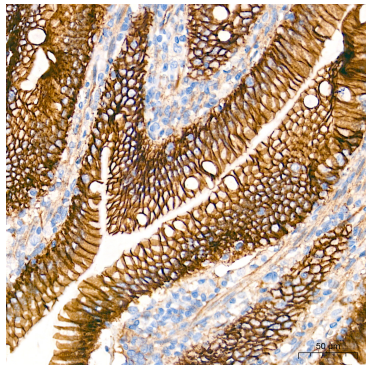
Immunohistochemistry analysis of paraffin-embedded Human solitary fibrous tumor tissue using [KO Validated] β -Catenin Rabbit mAb (A19657) at a dilution of 1:800 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



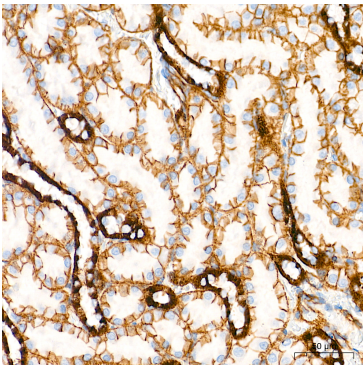
Immunohistochemistry analysis of paraffin-embedded Human thyroid cancer tissue using [KO Validated] β-Catenin Rabbit mAb (A19657) at a dilution of 1:800 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



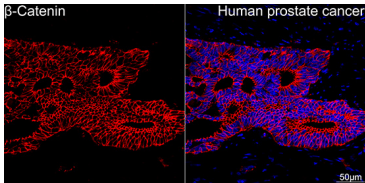
Immunohistochemistry analysis of paraffin-embedded Mouse intestine tissue using [KO Validated] β-Catenin Rabbit mAb (A19657) at a dilution of 1:800 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



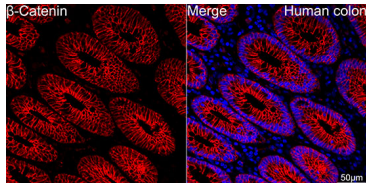
Immunohistochemistry analysis of paraffin-embedded Rat intestine tissue using [KO Validated] β-Catenin Rabbit mAb (A19657) at a dilution of 1:800 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



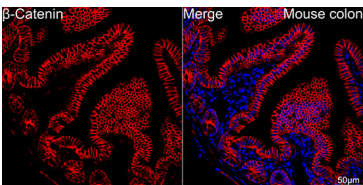
Immunohistochemistry analysis of paraffin-embedded Rat kidney tissue using [KO Validated] β-Catenin Rabbit mAb (A19657) at a dilution of 1:800 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



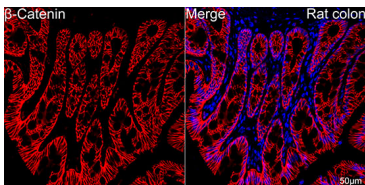
Confocal imaging of paraffin-embedded Human prostate cancer tissue using [KO Validated] β-Catenin Rabbit mAb (A19657, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). High pressure antigen retrieval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

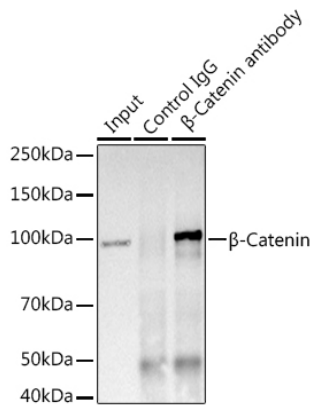


Confocal imaging of paraffin-

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 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.