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[KO Validated] β-Catenin Rabbit mAb

Catalog No.: A19657 KO Validated Recombinant 61 Publications

Basic Information

Observed MW
92kDa

Calculated MW
85kDa

Category
Primary antibody

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

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	1:500 - 1:1000
IHC-P	1:50 - 1:200
IF/ICC	1:50 - 1:200
IP	0.5μg-4μg antibody for 400μg-600μg 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

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Product Information

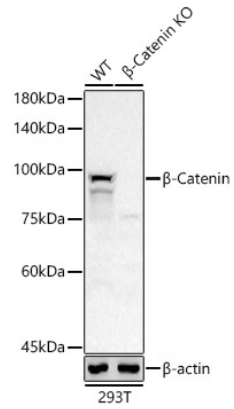
Source
Rabbit

Isotype
IgG

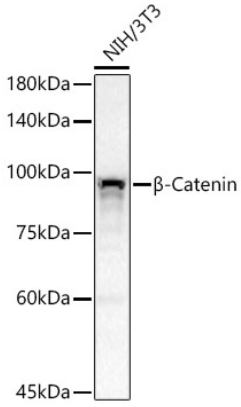
Purification
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS with 0.05% proclin300,0.05% BSA,50% glycerol,pH7.3.

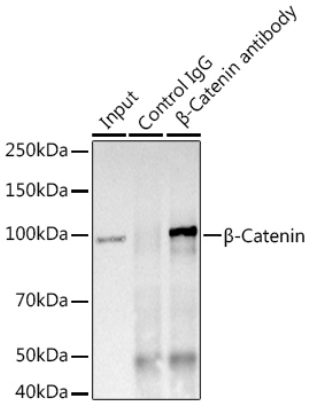
Validation Data



Western blot analysis of lysates from 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: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 30s.

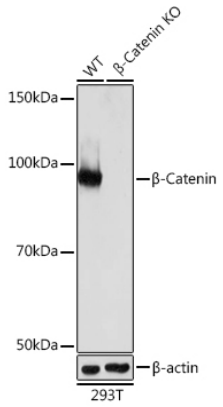


Western blot analysis of lysates from NIH/3T3 cells, using [KO Validated] β-Catenin Rabbit mAb (A19657) at 1:1000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 30s.

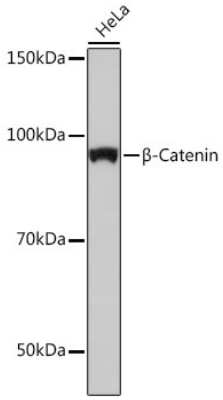


Immunoprecipitation analysis of 600 µg extracts of Mouse brain using 3 µg β-Catenin antibody (A19657). Western blot was performed from the immunoprecipitate using β-Catenin (A19657) at a dilution of 1:1000.

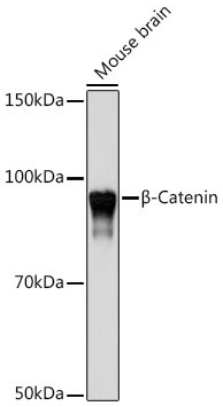
Validation Data



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: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 10s.

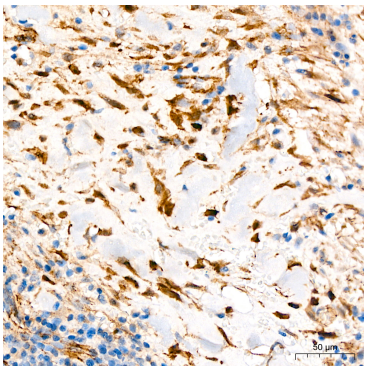


Western blot analysis of lysates from HeLa cells, using [KO Validated] β-Catenin Rabbit mAb (A19657) at 1:1000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit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

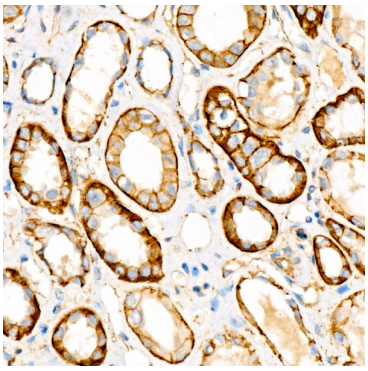


Western blot analysis of lysates from Mouse brain, using [KO Validated] β-Catenin Rabbit mAb (A19657) at 1:1000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic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

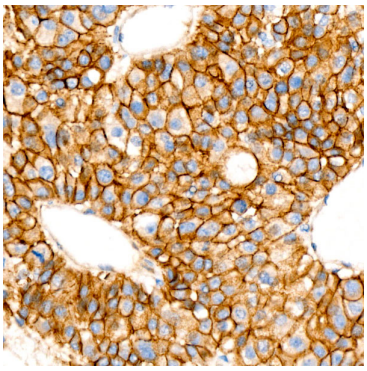
Validation Data



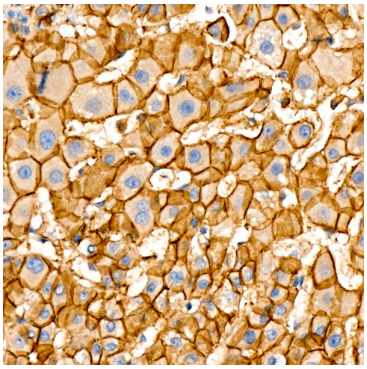
Immunohistochemistry analysis of β-Catenin in paraffin-embedded Human solitary fibrous tumor tissue using [KO Validated] β-Catenin Rabbit mAb (A19657) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M Tris-EDTA buffer (pH 9.0) prior to IHC staining.



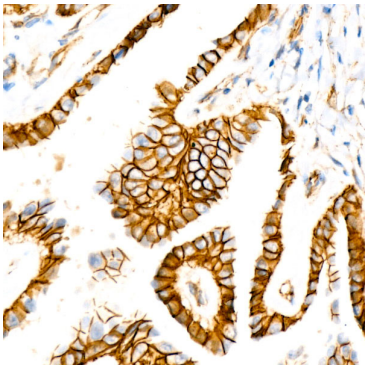
Immunohistochemistry analysis of β-Catenin in paraffin-embedded human kidney using [KO Validated] β-Catenin Rabbit mAb (A19657) at dilution of 1:100 (40x lens).Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



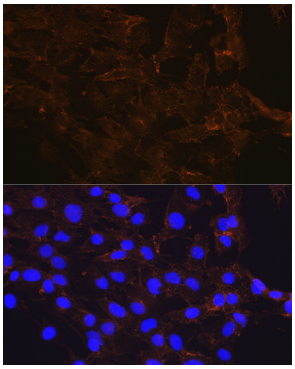
Immunohistochemistry analysis of β-Catenin in paraffin-embedded human liver cancer using [KO Validated] β-Catenin Rabbit mAb (A19657) at dilution of 1:100 (40x lens).Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



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.



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.



Immunofluorescence analysis of C6 cells using [KO Validated] β-Catenin Rabbit mAb (A19657) at dilution of 100 (40x lens). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.