A11512

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β-Catenin Rabbit pAb

Catalog No.: A11512 15 Publications

Basic Information

Observed MW
92kDa

Calculated MW
85kDa

Category
Polyclonal Antibody

Applications
WB,IHC-P,IP,ELISA

Cross-Reactivity
Human,Mouse,Rat

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	1:100 - 1:500
IHC-P	1:20 - 1:200
IP	0.5μg-4μg antibody for 200μg-400μg extracts of whole cells
ELISA	Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.

Contact

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Immunogen Information

Gene ID
1499

Swiss Prot
P35222

Immunogen
Recombinant protein (or fragment).This information is considered to be commercially sensitive.

Synonyms
EVR7; CTNNB; MRD19; NEDSDV; armadillo; β-Catenin

Product Information

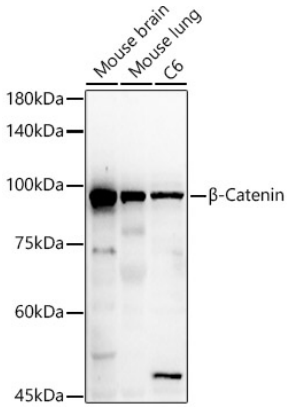
Source
Rabbit

Isotype
IgG

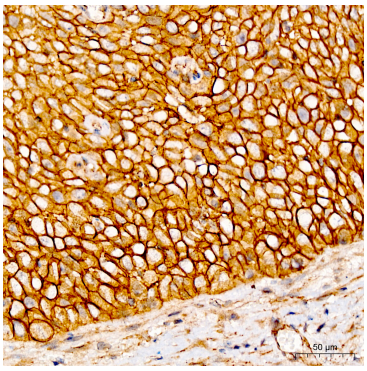
Purification
Affinity purification

Storage
Store at -20℃

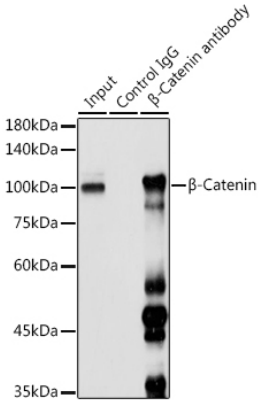
Validation Data



Western blot analysis of various lysates, using β-Catenin Rabbit pAb (A11512) at 1:500 dilution.
Secondary antibody: HRP-conjugated 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 Enhanced Kit (RM00021).
Exposure time: 90s.



Immunohistochemistry analysis of paraffin-embedded Human cervix cancer tissue using β-Catenin Rabbit pAb (A11512) at a dilution of 1:100 (40x lens). High pressure antigen retrieval was performed with 0.01 M Tris-EDTA buffer (pH 9.0) prior to IHC staining.



Immunoprecipitation analysis of 300 µg extracts of 293T cells using 3 µg β-Catenin antibody (A11512). Western blot was performed from the immunoprecipitate using β-Catenin antibody (A11512) at a dilution of 1:1000.

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