

A0316

Leader in Biomolecular Solutions for Life Science



β-Catenin Rabbit pAb

Catalog No.: A0316 **9 Publications**

Basic Information

Observed MW

100kDa

Calculated MW

85kDa

Category

Polyclonal Antibody

Applications

WB,IHC-P,IP,ELISA

Cross-Reactivity

Human,Mouse

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
IP	0.5µg-4µg antibody for 400µg-600µg extracts of whole cells

Immunogen Information

Gene ID	Swiss Prot
1499	P35222

Immunogen

A synthetic peptide corresponding to a sequence within amino acids 1-100 of human β-Catenin (NP_001895.1).

Synonyms

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

Contact



www.abclonal.com

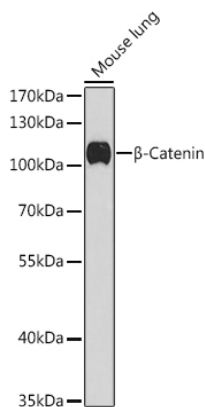
Product Information

Source	Isotype	Purification
Rabbit	IgG	Affinity purification

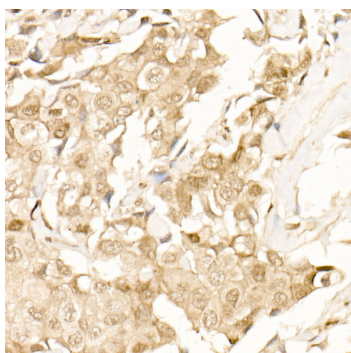
Storage

Store at -20°C. Avoid freeze / thaw cycles.
Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.

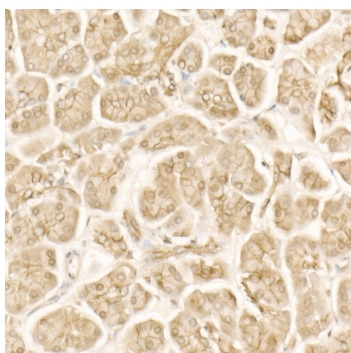
Validation Data



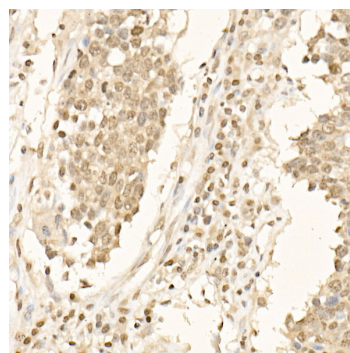
Western blot analysis of lysates from Mouse lung, using β -Catenin Rabbit pAb (A0316) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25 μ g per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 90s.



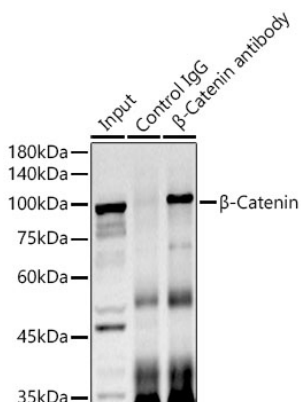
Immunohistochemistry analysis of β -Catenin in paraffin-embedded Human breast cancer using β -Catenin Rabbit pAb (A0316) at dilution of 20 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



Immunohistochemistry analysis of β -Catenin in paraffin-embedded Human pancreas using β -Catenin Rabbit pAb (A0316) at dilution of 20 (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 small cell lung cancer using β -Catenin Rabbit pAb (A0316) at dilution of 20 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



Immunoprecipitation analysis of 600 μ g extracts of Mouse brain using 3 μ g β -Catenin antibody (A0316). Western blot was performed from the immunoprecipitate using β -Catenin antibody (A0316) at a dilution of 1:1000.