Anti-beta Catenin Rabbit pAb

Purified Rabbit Polyclonal Antibody

Catalog # P100685

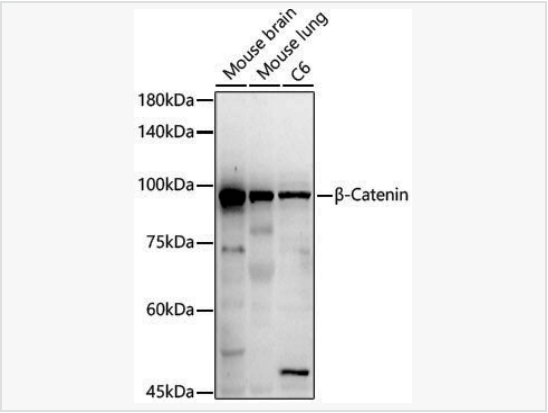
Product Information

Application	WB, IHC-P, IP, ELISA
Reactivity	Human, Mouse, Rat
Dilution	WB 1:100~1:500; IHC-P 1:20~1:200; IP 0.5μg-4μg antibody for 200μg-400μg extracts of whole cells
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Label	Unconjugated
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 667-781 of human β-Catenin (NP_001895.1).
Format	Affinity purified polyclonal antibody supplied in PBS with 0.02% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-beta Catenin Rabbit pAb is for research use only and not for use in diagnostic or therapeutic procedures.

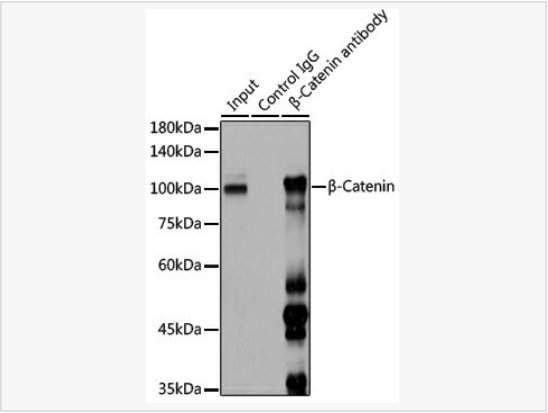
Protein Information

Synonyms	EVR7; CTNNB; MRD19; NEDSDV; armadillo; β-Catenin.
Calculated MW	Calculated MW: 85 kDa; Observed MW: 92 kDa
Uniprot ID	P35222
Gene ID	1499
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.

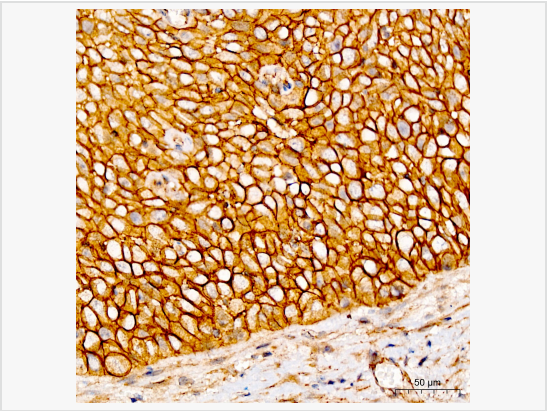
Validation Images



Western blot analysis of various lysates, using β-Catenin Rabbit pAb (P100685) at 1:500 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (LF102) at 1:10,000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Enhanced Kit.
Exposure time: 90s.



Immunoprecipitation analysis of 300 µg extracts of 293T cells using 3 µg β-Catenin antibody (P100685). Western blot was performed from the immunoprecipitate using β-Catenin antibody (P100685) at a dilution of 1:1000.



Immunohistochemistry analysis of paraffin-embedded Human cervix cancer tissue using β-Catenin Rabbit pAb (P100685) at a dilution of 1:100 (40× lens). High pressure antigen retrieval was performed with 0.01 M Tris-EDTA buffer (pH 9.0) prior to IHC staining.