Anti-beta Catenin Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

Catalog # R010292

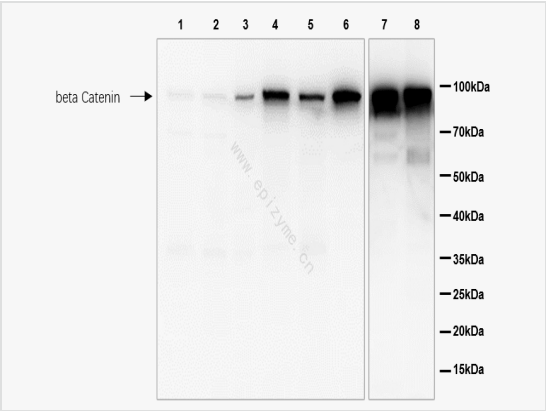
Product Information

Application	WB, IF (Cell)/ICC, ELISA, IHC-P/IF (Tissue-P)
Reactivity	Human, Mouse, Rat
Dilution	WB 1:1,000~1:2,000; IHC-P 1:200; IF 1:100
Host	Rabbit
Clonality	Monoclonal
Clone No.	41L48K19
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human beta Catenin
Format	Affinity purified monoclonal antibody supplied in PBS with 0.01% 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 mAb [41L48K19] is for research use only and not for use in diagnostic or therapeutic procedures.

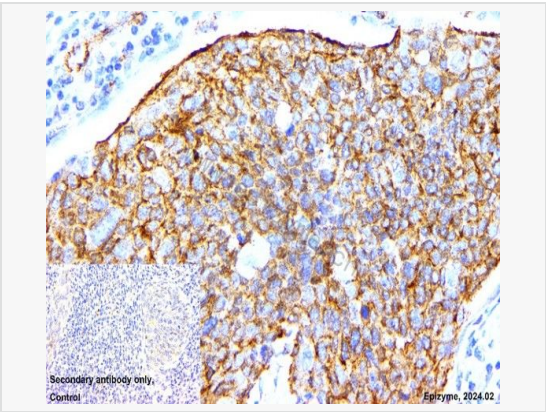
Protein Information

Synonyms	CTNNB1, CTNNB, OK/SW-cl35, Catenin beta-1, Beta-catenin, EVR7, MRD19, armadillo.
Calculated MW	Calculated MW: 85 kDa; Observed MW: 85-95 kDa
Uniprot ID	P35222
Gene ID	1499
Background	Beta-catenin is an adherens junction protein. Adherens junctions (AJs; also called the zonula adherens) are critical for the establishment and maintenance of epithelial layers, such as those lining organ surfaces. AJs mediate adhesion between cells, communicate a signal that neighboring cells are present, and anchor the actin cytoskeleton. In serving these roles, AJs regulate normal cell growth and behavior.

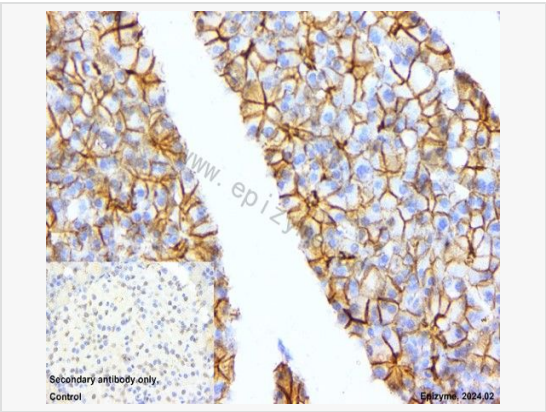
Validation Images



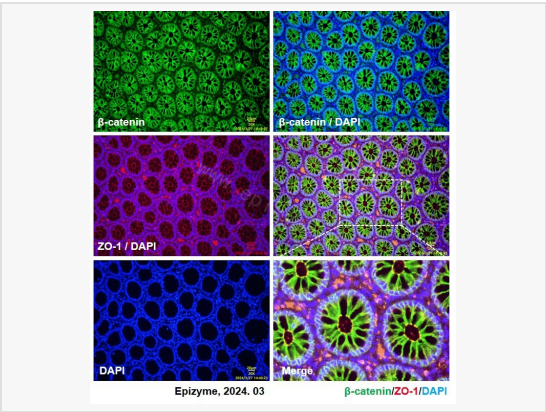
Western Blot - Anti-beta Catenin Rabbit mAb [41L48K19]
All lanes: R010292 at 1:1,000 dilution
Lane 1: MCF7 (human breast adenocarcinoma epithelial cell) whole cell lysates
Lane 2: HeLa (human cervix adenocarcinoma epithelial cell) whole cell lysates
Lane 3: HepG2 (human hepatocellular carcinoma epithelial cell) whole cell lysates
Lane 4: A549 ((human lung carcinoma epithelial cell) whole cell lysates
Lane 5: 293T (human embryonic kidney cell) whole cell lysates
Lane 6: MSC (human mesenchymal stem cell) whole cell lysates
Lane 7: Balb/c mouse brain whole tissue lysates
Lane 8: Balb/c mouse lung whole tissue lysates
Lysates/proteins at 10 µg per lane.
Secondary antibody: Goat Anti-Rabbit IgG(H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution
Predicted band size: 85 kDa
Observed band size: 85-95 kDa
Developed using the ECL technique (Cat. No. SQ201).



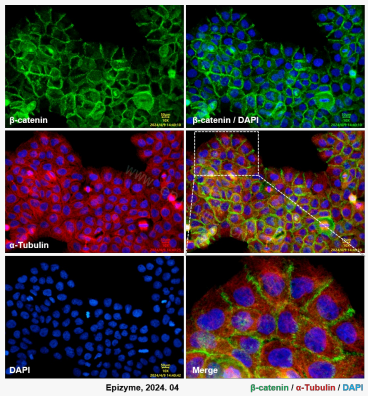
Immunohistochemistry - Anti-beta Catenin Rabbit mAb [41L48K19]
Sample: Paraformaldehyde-fixed, paraffin embedded human cervical cancer tissue
Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.
Primary antibody: R010292 at 1:200 dilution
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution
DAB was used as the chromogen.
Counter stained with hematoxylin.
Positive/negative staining were presented.
Only the secondary antibody was used as the negative control.



Immunohistochemistry - Anti-beta Catenin Rabbit mAb [41L48K19]
Sample: Paraformaldehyde-fixed, paraffin embedded human pancreatic cancer tissue
Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.
Primary antibody: R010292 at 1:200 dilution
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution
DAB was used as the chromogen.
Counter stained with hematoxylin.
Positive/negative staining were presented.
Only the secondary antibody was used as the negative control.



Immunofluorescence - Anti-beta Catenin Rabbit mAb [41L48K19]
Sample: Paraformaldehyde-fixed, paraffin embedded human colorectal carcinoma tissue
The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.
Primary antibodies: R010292 at 1:100 dilution and Anti-ZO-1 Mouse mAb [24D02C18] (Cat. No. M900002) at 1:100 dilution
Secondary antibodies: Goat anti-Rabbit (488) at 1:1,000 dilution (shown in green) and Goat anti-Mouse (CY3) at 1:1,000 dilution (shown in red)
Nuclei were stained with DAPI (shown in blue).



Immunofluorescence - Anti-beta Catenin Rabbit mAb [41L48K19]
Sample: A431 cells
The cells were fixed with 4% paraformaldehyde (10 min), permeabilized with 0.5% Triton X-100 for 10 minutes and then blocked with 5% BSA in 0.1% PBS-Tween for 0.5 hours.
Primary antibodies: R010292 at 1:100 dilution and α-tubulin Mouse Monoclonal Antibody (Cat. No. LF209) at 1:100 dilution
Secondary antibodies: Goat anti-Rabbit (488) at 1:1,000 dilution (shown in green) and Goat anti-Mouse (CY3) at 1:1,000 dilution (shown in red)
Nuclei were stained with DAPI (shown in blue).