

Anti-alpha Catenin Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

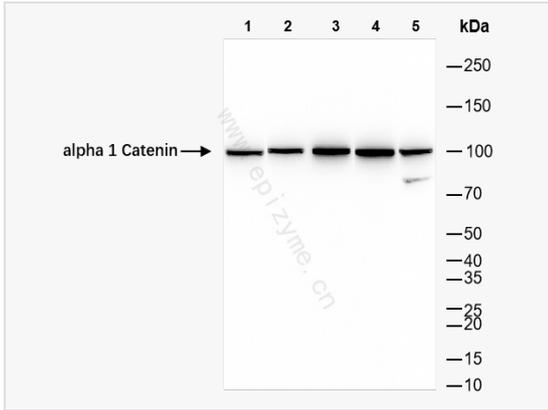
Catalog # R013974

Product Information

Application	WB, IHC-P/IF (Tissue-P), ELISA, IF (Cell)/ICC
Reactivity	Rat, Human, Mouse
Dilution	WB 1:1,000~1:2,000; IHC-P 1:100~1:200; IF 1:100
Host	Rabbit
Clonality	Monoclonal
Clone No.	98O31L91
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human Catenin alpha 1
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-alpha Catenin Rabbit mAb [98O31L91] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	102 kDa cadherin-associated protein, Alpha E-catenin, CATNA1, CTN1, Cadherin-associated protein, catenin alpha-1, Catenin alpha 1.
Calculated MW	Calculated MW: 100 kDa; Observed MW: 100 kDa
Uniprot ID	P35221
Background	Adherens junctions are dynamic structures that form cell-cell contacts and are important in development, differentiation, tissue integrity, morphology and cell polarity. They are composed of the transmembrane proteins, cadherins, which bind cadherins on adjacent cells in a calcium-dependent manner.



Western Blot - Anti-alpha Catenin Rabbit mAb [98O31L91]

All lanes: R013974 at 1:1,000 dilution

Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates

Lane 2: HCT116 (Human colorectal carcinoma epithelial cell) whole cell lysates

Lane 3: A431 (Human epidermoid teratoma cell line) whole cell lysates

Lane 4: Rat heart whole tissue lysates

Lane 5: Mouse kidney whole tissue lysates

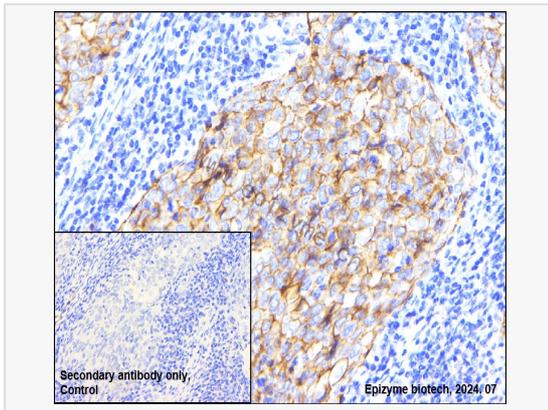
Lysates/proteins at 10 µg per lane.

Secondary antibody: Goat Anti-Rabbit IgG(H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution

Predicted band size: 100 kDa

Observed band size: 100 kDa

Developed using the ECL technique (Cat. No. SQ201).



Immunohistochemistry - Anti-alpha Catenin Rabbit mAb [98O31L91]

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: R013974 at 1:200 dilution

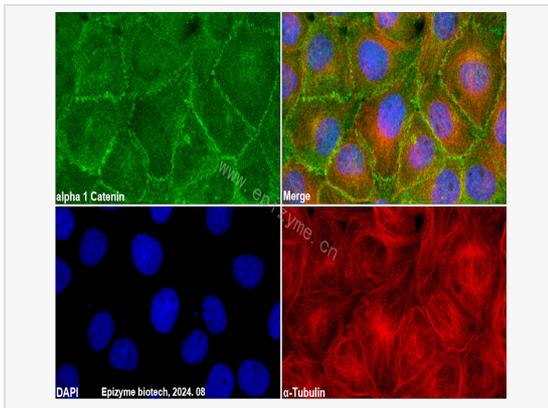
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution

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-alpha Catenin Rabbit mAb [98O31L91]

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: R013974 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 (555) at 1:1,000 dilution (shown in red)

Nuclei were stained with DAPI (shown in blue).