

Anti-alpha 1 Catenin Antibody (9R277)

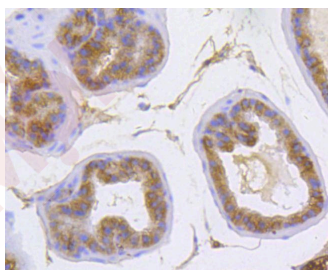
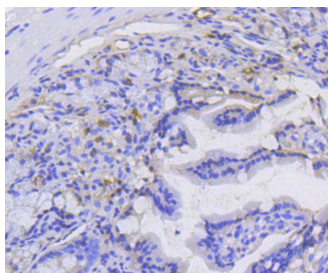
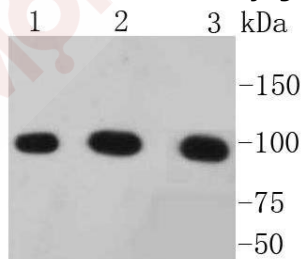
Product Details

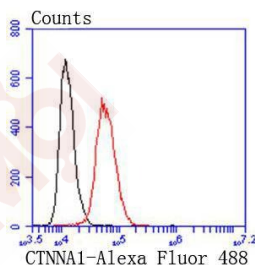
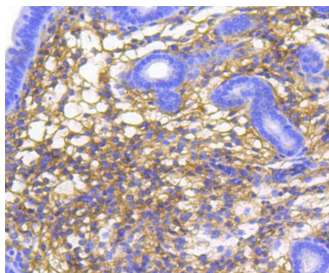
Ig Type:	IgG
Reactivity:	Human,Mouse,Rat
Conjugation:	Unconjugated
Molecular Weight:	Theoretical: 100 kDa.
Clone:	9R277
Purification:	ProA affinity purified

Applications

Verified Activity:

1. Western blot analysis of alpha 1 Catenin on different lysates using anti-alpha 1 Catenin antibody at 1/1,000 dilution. Positive control: Lane 1: Hela, Lane 2: HepG2, Lane 3: A431.
2. Immunohistochemical analysis of paraffin-embedded mouse colon tissue using anti-alpha 1 Catenin antibody. Counter stained with hematoxylin.
3. Immunohistochemical analysis of paraffin-embedded mouse prostate tissue using anti-alpha 1 Catenin antibody. Counter stained with hematoxylin.
4. Immunohistochemical analysis of paraffin-embedded mouse uterus tissue using anti-alpha 1 Catenin antibody. Counter stained with hematoxylin.
5. Flow cytometric analysis of Hela cells with alpha 1 Catenin antibody at 1/50 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody.





Application: FCM, ICC/IF, IHC, IP, WB

Recommended WB: 1:1000-2000; IHC: 1:50-200; ICC/IF: 1:50-200; FCM: 1:50-100

Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: Recombinant Protein

Uniprot ID: P35221

Synonyms: Catenin alpha-1; CTNNA 1; α 1 Catenin; NY REN 13 antigen; Alpha E-catenin; Renal carcinoma antigen NY REN 13; Cadherin associated protein; CTNA1_HUMAN; α 1 Catenin; FLJ36832; Catenin (cadherin associated protein), α 1, 102kDa; Catenin (cadherin associated protein) α 1 102kDa; α 1 Catenin; OTTHUMP00000224147; CAP102; FLJ52416; OTTHUMP00000224141; α 1 Catenin; α 1 Catenin; Ctnna1; CAP 102; Cadherin associated protein 102kDa; Cadherin-associated protein; Renal carcinoma antigen NY-REN-13; Catenin alpha 1

Research Background

α E-catenin (also designated α -catenin; cadherin-associated protein, α 1, 102 kDa; and CAP102) plays a role in E-cadherin mediated cell-cell adhesion by linking E-cadherin to the cytoskeleton via β - or γ -catenin and Actin. α E-catenin connects cell-density-dependent adherens junctions with the developmental hedgehog pathway and may provide a negative feedback loop controlling the size of developing cerebral cortex. It is abundant in neuroepithelial precursor cells in the developing cortical ventricular zone of the brain, with reduced expression in the cortical plate. α E-catenin-vinculin interactions play a role in the assembly of the apical junction complex in epithelia. Catenins generally are thought to work as connectors that anchor E-cadherin to the cytoskeletal Actin bundle through the cadherin cytoplasmic domain. Dysfunction of this adhesion complex causes dissociation of cancer cells from primary tumor nodules, thus possibly contributing to cancer invasion and metastasis.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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