

Rabbit Catenin alpha-1 Polyclonal Antibody | anti-CTNNA1 antibody

Anti-CTNNA1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA46069	Rabbit	Human, Mouse, Rat. No cross reactivity with other proteins.	Immunohistochemistry, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

Catenin alpha-1; Polyclonal Antibody; Anti-CTNNA1 Antibody; alpha catenin antibody; alpha E catenin antibody; Alpha E-catenin antibody; alphaE catenin antibody; Cadherin associated protein 102kDa antibody; Cadherin associated protein antibody; Cadherin-associated protein antibody; CAP 102 antibody; CAP102 antibody; Catenin (cadherin associated protein) alpha 1 102kDa antibody; Catenin (cadherin associated protein); alpha 1; 102kDa antibody; Catenin alpha 1 antibody; Catenin alpha-1 antibody; CTNA1_HUMAN antibody; CTNNA 1 antibody; CTNNA1 antibody; FLJ36832 antibody; FLJ52416 antibody; NY REN 13 antigen antibody; OTTHUMP00000224141 antibody; OTTHUMP00000224147 antibody; Renal carcinoma antigen NY REN 13 antibody; Renal carcinoma antigen NY-REN-13 antibody; catenin (cadherin-associated protein); 102kDa; anti-CTNNA1 antibody

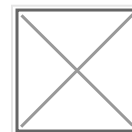
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat. No cross reactivity with other proteins.
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Sequence Length	841
Applicable Applications for anti-CTNNA1 antibody	IHC (Immunohistochemistry), IHC (Immunohistochemistry), WB (Western Blot)
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Immunogen	E.coli-derived human CTNNA1 recombinant protein (Position: D143-D292). Human CTNNA1 shares 98% amino acid (aa) sequence identity with mouse CTNNA1.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES



IHC (Immunohistochemistry)
Anti-CTNNA1 Picoband antibody, AAA46069-5.JPGIHC(P): Mouse Intestine Tissue



IHC (Immunohistochemistry)
Anti-CTNNA1 Picoband antibody, AAA46069-4.JPGIHC(P): Human Mammary Tissue



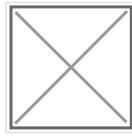
IHC (Immunohistochemistry)

Anti-CTNNA1 Picoband antibody, AAA46069-3.JPGIHC(P): Rat Intestine Tissue



Application Data

Anti-CTNNA1 Picoband antibody, AAA46069-2.jpgAll lanes: Anti CTNNA1 (AAA46069) at 0.5ug/mlLane 1: Rat Liver Tissue Lysate at 50ugLane 2: Rat Lung Tissue Lysate at 50ugLane 3: Rat Cardiac Muscle Tissue Lysate at 50ugLane 4: NIH3T3 Whole Cell Lysate at 40ugLane 5: PC-12 Whole Cell Lysate at 40ugLane 6: HEPG2 Whole Cell Lysate at 40ugLane 7: HELA Whole Cell Lysate at 40ugLane 8: MCF-7 Whole Cell Lysate at 40ugLane 9: HEPA Whole Cell Lysate at 40ugPredicted bind size: 100KDObserved bind size: 100KD



Application Data

Anti-CTNNA1 Picoband antibody, AAA46069-1.jpgAll lanes: Anti CTNNA1 (AAA46069) at 0.5ug/mlWB: Human Recombinant CTNNA1 Protein 0.5ngPredicted bind size: 47KDObserved bind size: 47KD

ADDITIONAL INFORMATION

Related Product Information for anti-CTNNA1 antibody

Description: Rabbit IgG polyclonal antibody for Catenin alpha-1(CTNNA1) detection. Tested with WB, IHC-P in Human;Mouse;Rat.

Background: CTNNA1, also known as Catenin alpha-1 or Catenin (cadherin-associated protein), alpha 1, is a protein that in humans is encoded by the CTNNA1 gene. It is mapped to 5q31.2. When surface epithelium CTNNA1 was ablated, hair follicle development was blocked and epidermal morphogenesis was dramatically affected, with defects in adherens junction formation, intercellular adhesion, and epithelial polarity. In vitro, CTNNA1 null keratinocytes were poorly contact inhibited and grew rapidly. These differences were not dependent upon intercellular adhesion and were in marked contrast to keratinocytes conditionally null for another essential intercellular adhesion protein, desmoplakin Knockout keratinocytes exhibited sustained activation of the Ras-MAPK cascade due to aberrations in growth factor responses. It is concluded that features of precancerous lesions often attributed to defects in cell cycle regulatory genes can be generated by compromising the function of CTNNA1.

NCBI AND UNIPROT INFORMATION

NCBI GI #	594140506
NCBI GeneID	1495
NCBI Accession #	NP_001277236.1
NCBI GenBank Nucleotide #	NM_001290307.1
UniProt Accession #	P35221; Q12795; Q8N1C0
Molecular Weight	59,550 Da
NCBI Official Full Name	catenin alpha-1 isoform 2
NCBI Official Synonym Full Names	catenin (cadherin-associated protein), alpha 1, 102kDa
NCBI Official Symbol	CTNNA1
NCBI Official Synonym Symbols	CAP102
NCBI Protein Information	catenin alpha-1; alpha-catenin; alphaE-catenin; alpha E-catenin; alpha-E-catenin; renal carcinoma antigen NY-REN-13; cadherin-associated protein,102kDa
UniProt Protein Name	Catenin alpha-1
UniProt Gene Name	CTNNA1
UniProt Entry Name	CTNA1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/catenin-alpha-1-antibody-immunohistochemistry-immunohistochemistry-western-blot-elisa/46069>