

alpha catenin Recombinant Antibody | CTNNA1 recombinant antibody

Anti-alpha catenin [1G5], Rabbit IgG, kappa

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA72523	Rabbit	Human, Mouse	Immunoprecipitation, Immunofluorescence, Western Blot

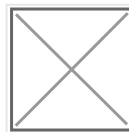
PRODUCT SYNONYMS

alpha catenin; Monoclonal Recombinant Antibody; Anti-alpha catenin [1G5]; Rabbit IgG; kappa; Catenin alpha-1; Alpha E-catenin; Cadherin-associated protein; Renal carcinoma antigen NY-REN-13; alpha-catenin; alpha(E)-catenin; CTNNA1 recombinant antibody

PRODUCT SPECIFICATIONS

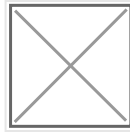
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Monoclonal
Isotype	Rabbit IgG kappa
Clone Number	1G5
Specificity	This antibody recognizes alpha catenin and binds to the domain between amino acids 135-226. alpha-catenin associates with the cytoplasmic domain of a variety of plasma membrane spanning cadherins that mediate cell-cell adhesion. The association of catenins to cadherins produces a complex that is linked to the actin filament network, which seems to be of primary importance for their cell-adhesion properties.
Purity/Purification	Protein A affinity purified
Form/Format	PBS with 0.02% Proclin 300.
Concentration	1mg/ml (varies by lot)
Applicable Applications for CTNNA1 recombinant antibody	IP (Immunoprecipitation), IF (Immunofluorescence), WB (Western Blot)
Chimeric Use Statement	This chimeric rabbit antibody was made using the variable domain sequences of the original Mouse IgG1 format, for improved compatibility with existing reagents, assays and techniques.
Preparation and Storage	Store at 4 degree C for up to 3 months. For longer storage, aliquot and store at -20 degree C.

IMAGES



IF (Immunofluorescence)

Immunofluorescence staining of fixed A431 cells with anti-alpha catenin antibody 1G5 (AAA72523). Immunofluorescence analysis of paraformaldehyde fixed A431 cells on Shi-fix coverslips stained with the chimeric rabbit IgG version of 1G5 (AAA72523) at 10ug/ml for 1h followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing membrane staining. The nuclear stain is DAPI (blue). Panels show right, top-bottom AAA72523, DAPI, merged channels and an isotype control. The isotype control was an unknown specificity antibody followed by staining with Alexa Fluor 488 secondary antibody.



IF (Immunofluorescence)

Immunofluorescence staining of fixed A431 cells with anti-alpha catenin antibody 1G5 (AAA72523). Immunofluorescence analysis of paraformaldehyde fixed A431 cells on Shifox coverslips stained with the chimeric rabbit IgG version of 1G5 (AAA72523) at 10 µg/ml for 1 h followed by Alexa Fluor 488 secondary antibody (2 µg/ml), showing membranous staining. The nucleus is stained DAPI (blue). Panels show right, top-bottom AAA72523, DAPI, merged channels and an isotype control. The isotype control was an unknown specificity antibody followed by staining with Alexa Fluor 488 secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for CTNNA1 recombinant antibody	This antibody was raised by immunizing Balb/c mice with a 90 kDa MBP/alpha catenin fusion protein purified on an amylose column.
References	Johnson et al. P- and E-cadherin are in separate complexes in cells expressing both cadherins. Exp Cell Res. 1993 Aug;207(2):252-60. N/A8344378 Note on publication: This article describes the generation and characterization of the antibody 1G5.

NCBI AND UNIPROT INFORMATION

NCBI GI #	55770844
NCBI GeneID	1495
NCBI Accession #	NP_001894.2
NCBI GenBank Nucleotide #	NM_001903.2
UniProt Accession #	P35221; Q12795
Molecular Weight	100,071 Da
NCBI Official Full Name	catenin alpha-1
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/monoclonal/alpha-catenin-recombinant-antibody-clone-1g5-immunoprecipitation-immunofluorescence-western-blot-elisa/72523>