

## a-catenin(Ab-641) Antibody

Catalog No: #21330



Package Size: #21330-1 50ul #21330-2 100ul

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## Description

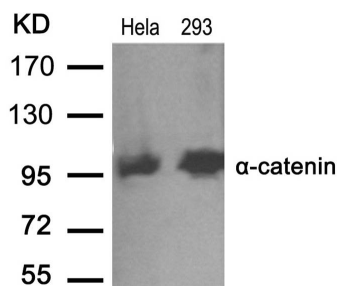
Product Name	a-catenin(Ab-641) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide.
Applications	WB
Species Reactivity	Hu Ms
Specificity	The antibody detects endogenous level of total a-catenin protein.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around aa. 639~643 (D-D-S-D-F) derived from Human a-catenin.
Target Name	a-catenin
Other Names	Cadherin-associated protein; Alpha E-catenin; NY-REN-13 antigen
Accession No.	Swiss-Prot: P35221NCBI Protein: NP_001894.2
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.

## Application Details

Predicted MW: 100kd

Western blotting: 1:500~1:1000

## Images



Western blot analysis of extracts from HeLa and 293 cells using a-catenin(Ab-641) antibody #21330.

## Background

Associates with the cytoplasmic domain of a variety of cadherins. The association of catenins to cadherins produces a complex which is linked to the

actin filament network, and which seems to be of primary importance for cadherins cell-adhesion properties. May play a crucial role in cell differentiation.

Hwang, S.G. et al. (2005) J. Biol. Chem. 280, 12758-12765

Drees, F. et al. (2005) Cell 123, 903-915.

Yamada, S. et al. (2005) Cell 123, 889-901.

Kobielak, A. and Fuchs, E. (2004) Nat. Rev. Mol. Cell Biol. 5, 614-625.

## Published Papers

et al.,  $\beta$ -Catenin phosphorylation promotes intercellular adhesion through a dual-kinase mechanism. In J Cell Sci on 2015 Mar 15 by David J Escobar, Ridhdhi Desai, et al.. PMID:25653389, , (2015)

[PMID:25653389](#)

Note: This product is for in vitro research use only and is not intended for use in humans or animals.