

a-catenin(Phospho-Ser641) Antibody

Catalog No: #11330

Package Size: #11330-1 50ul #11330-2 100ul #11330-4 25ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

Description

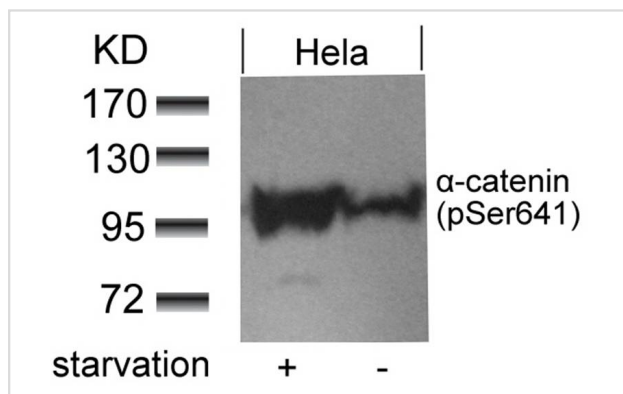
Product Name	a-catenin(Phospho-Ser641) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using non-phosphopeptide.
Applications	WB
Species Reactivity	Hu Ms
Specificity	The antibody detects endogenous level of a-catenin only when phosphorylated at serine 641.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of serine 641 (D-D-S(p)-D-F) derived from Human a-catenin.
Target Name	a-catenin
Modification	Phospho-Ser641
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 ²⁺ and Ca ²⁺), 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

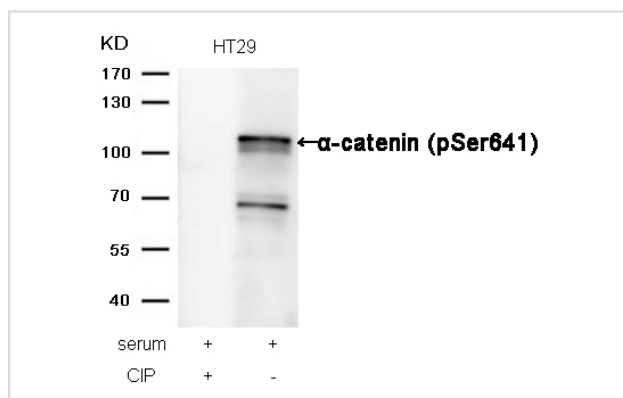
Predicted MW: 100kd

Western blotting: 1:500~1:1000

Images



Western blot analysis of extracts from HeLa cells untreated or treated with starvation using a-catenin(Phospho-Ser641) antibody #11330.



Western blot analysis of extracts from HT29 cells, treated with serum or calf intestinal phosphatase (CIP), using α-catenin (Phospho-Ser641) Antibody #11330.

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

Ji H, Wang J, Nika H et al., EGF-induced ERK activation promotes CK2-mediated disassociation of alpha-Catenin from beta-Catenin and transactivation of beta-Catenin., Mol Cell, 36(4):547-559(2009)

[PMID:19941816](#)

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