

a-catenin(Phospho-Ser641) Antibody

Catalog No: #11330

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

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

Description

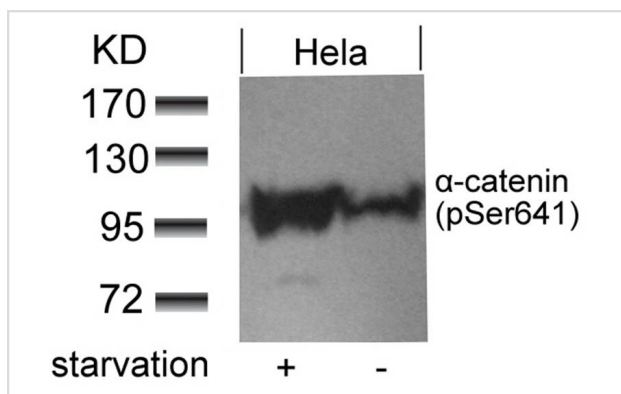
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|-----------------------|--|
| Product Name | a-catenin(Phospho-Ser641) Antibody |
| Host Species | Rabbit |
| Clonality | Polyclonal |
| Purification | Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. 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 |
| Other Names | Cadherin-associated protein; Alpha E-catenin; NY-REN-13 antigen |
| Accession No. | Swiss-Prot: P35221NCBI Protein: NP_001894.2 |
| Uniprot | P35221 |
| GeneID | 1495; |
| 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

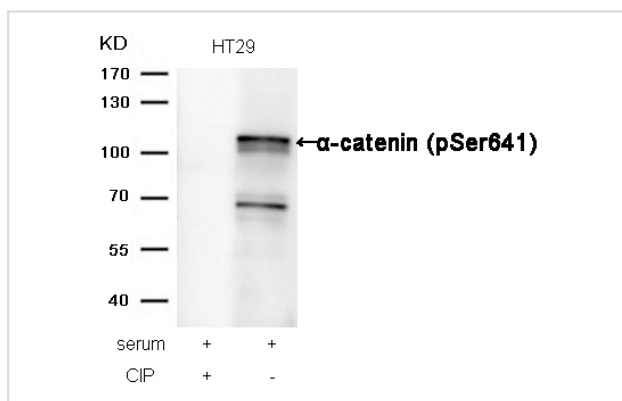
Predicted MW: 100kd

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.

Note: This product is for in vitro research use only