

35-1297: Polyclonal Antibody to Alpha-catenin (Phospho-Ser641)

Clonality :	Polyclonal
Application :	WB
Reactivity :	Mouse,Human
Gene :	CTNNA1
Gene ID :	1495
Uniprot ID :	P35221
Format :	Purified
Alternative Name :	Cadherin-associated protein, Alpha E-catenin, NY-REN-13 antigen
Isotype :	Rabbit IgG
Immunogen Information :	Peptide sequence around phosphorylation site of serine 641 (D-D-S(p)-D-F) derived from Human α -catenin.

Description

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

Product Info

Amount :	50 μ l / 100 μ l
Content :	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 condition :	Store the antibody at 4°C, stable for 6 months. For long-term storage, store at -20°C. Avoid repeated freeze and thaw cycles.

Application Note

Predicted MW: 100kd, Western blotting: 1:500~1:1000

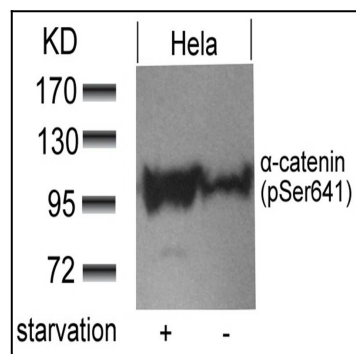


Figure 1: Western blot analysis of extracts from HeLa cells untreated or treated with starvation using α -catenin(Phospho-Ser641) Antibody 35-1297 .

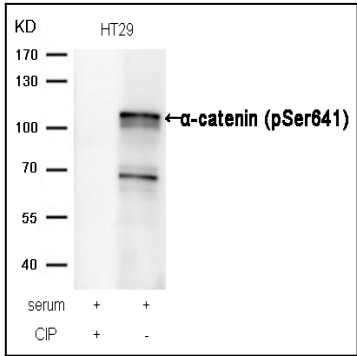


Figure 2: Western blot analysis of extracts from HT29 cells, treated with serum or calf intestinal phosphatase (CIP), using a-catenin (Phospho-Ser641) Antibody 35-1297 .