

## Rabbit anti-Human, Mouse alpha-catenin Polyclonal Antibody | anti-CTNNA1 antibody

alpha-catenin (Phospho-Ser641) Antibody

|                               |                       |                                   |                                     |
|-------------------------------|-----------------------|-----------------------------------|-------------------------------------|
| CATALOG #<br><b>AAA302073</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human, Mouse</b> | APPLICATIONS<br><b>Western Blot</b> |
|-------------------------------|-----------------------|-----------------------------------|-------------------------------------|

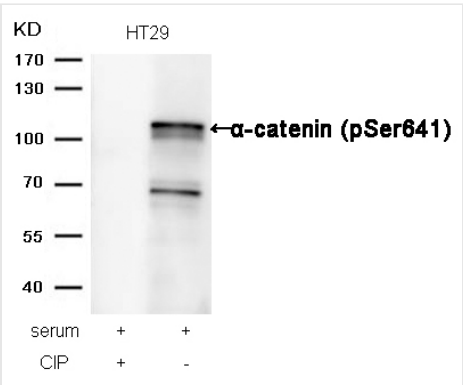
### PRODUCT SYNONYMS

alpha-catenin; Polyclonal Antibody; alpha-catenin (Phospho-Ser641) Antibody; a-catenin (Phospho-Ser641) Antibody; Cadherin-associated protein; Alpha E-catenin; NY-REN-13 antigen; anti-CTNNA1 antibody

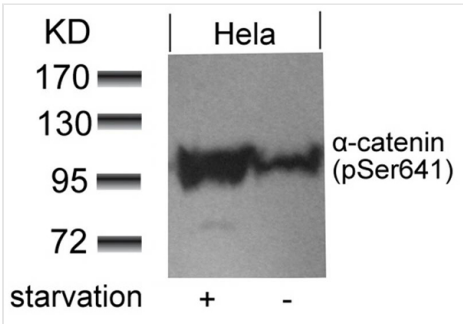
### PRODUCT SPECIFICATIONS

|                                                  |                                                                                                                                                                                                                                                                |
|--------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                             | Rabbit                                                                                                                                                                                                                                                         |
| Reactivity                                       | Human, Mouse                                                                                                                                                                                                                                                   |
| Clonality                                        | Polyclonal                                                                                                                                                                                                                                                     |
| Specificity                                      | The antibody detects endogenous level of a-catenin only when phosphorylated at serine 641.                                                                                                                                                                     |
| Purity/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 use |
| Form/Format                                      | Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.                                                                                                                            |
| Concentration                                    | 1.0 mg/ml (varies by lot)                                                                                                                                                                                                                                      |
| Sequence Length                                  | 841                                                                                                                                                                                                                                                            |
| Applicable Applications for anti-CTNNA1 antibody | WB (Western Blot)                                                                                                                                                                                                                                              |
| 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.                                                                                                                                                        |
| Modification                                     | Phospho-Ser641                                                                                                                                                                                                                                                 |
| Target Name                                      | a-catenin                                                                                                                                                                                                                                                      |
| Preparation and Storage                          | Store at -20 degree C for long term preservation (recommended). Store at 4 degree C for short term use.                                                                                                                                                        |

IMAGES



**WB (Western Blot)**  
Western blot analysis of extracts from HT29 cells, treated with serum or calf intestinal phosphatase (CIP), using alpha-catenin (Phospho-Ser641) Antibody.



**WB (Western Blot)**  
Western blot analysis of extracts from HeLa cells untreated or treated with starvation using α-catenin(Phospho-Ser641) antibody.

ADDITIONAL INFORMATION

|                                                      |                                                                                                                                                                                                                                                                                                                   |
|------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-CTNNA1 antibody | 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. |
| Product Categories/Family for anti-CTNNA1 antibody   | Phospho-specific Ab                                                                                                                                                                                                                                                                                               |

NCBI AND UNIPROT INFORMATION

|                                  |                                                        |
|----------------------------------|--------------------------------------------------------|
| NCBI GI #                        | 594140506                                              |
| NCBI GeneID                      | 1495                                                   |
| NCBI Accession #                 | NP_001277236.1                                         |
| NCBI GenBank Nucleotide #        | NM_001290307.1                                         |
| UniProt Accession #              | P35221; Q12795; Q8N1C0                                 |
| Molecular Weight                 | 59,550 Da                                              |
| NCBI Official Full Name          | catenin alpha-1 isoform 2                              |
| 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                                        |
| 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.