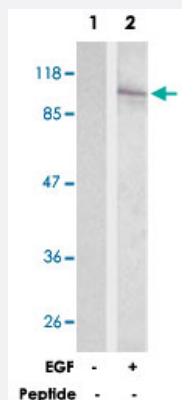


# CTNNA1 (phospho S641) polyclonal antibody

Catalog # PAB18520      Size 100 ug

## Applications



### Western Blot (Cell lysate)

Western blot analysis of extract from A-431 cells, untreated or treated with EGF (200 ng/ml, 30 min), using CTNNA1 (phospho S641) polyclonal antibody (Cat # PAB18520).

Peptide "+" means "peptide blocking".

## Specification

|                            |                                                                                                   |
|----------------------------|---------------------------------------------------------------------------------------------------|
| <b>Product Description</b> | Rabbit polyclonal antibody raised against synthetic phosphopeptide of CTNNA1.                     |
| <b>Immunogen</b>           | Synthetic phosphopeptide corresponding to residues surrounding S641 of human CTNNA1.              |
| <b>Host</b>                | Rabbit                                                                                            |
| <b>Reactivity</b>          | Human, Mouse                                                                                      |
| <b>Specificity</b>         | This antibody is specific to CTNNA1 only when phosphorylated at S641.                             |
| <b>Form</b>                | Liquid                                                                                            |
| <b>Purification</b>        | Affinity purification                                                                             |
| <b>Concentration</b>       | 1 mg/mL                                                                                           |
| <b>Recommend Usage</b>     | Western Blot (1:500-1:1000)<br>The optimal working dilution should be determined by the end user. |
| <b>Storage Buffer</b>      | In PBS, 150 mM NaCl, pH 7.4 (0.02% sodium azide, 50% glycerol).                                   |

**Storage Instruction**

Store at 4°C for three months. For long term storage store at -20°C.  
Aliquot to avoid repeated freezing and thawing.

**Note**

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

- Western Blot (Cell lysate)

Western blot analysis of extract from A-431 cells, untreated or treated with EGF (200 ng/ml, 30 min), using CTNNA1 (phospho S641) polyclonal antibody (Cat # PAB18520).  
Peptide "+" means "peptide blocking".

## Gene Info — CTNNA1

**Entrez GeneID** [1495](#)

**Protein Accession#** [P35221](#)

**Gene Name** CTNNA1

**Gene Alias** CAP102, FLJ36832

**Gene Description** catenin (cadherin-associated protein), alpha 1, 102kDa

**Omim ID** [116805](#)

**Gene Ontology** [Hyperlink](#)

**Gene Summary** alpha 1

**Other Designations** alpha-E-catenin|alpha-catenin|alphaE-catenin|cadherin-associated protein,102kDa|catenin (cadherin-associated protein), alpha 1 (102kD)|catenin, alpha 1

## Publication Reference

- [Deconstructing the cadherin-catenin-actin complex.](#)

Yamada S, Pokutta S, Drees F, Weis WI, Nelson WJ.

Cell 2005 Dec; 123(5):889.

- [Regulation of beta-catenin signaling and maintenance of chondrocyte differentiation by ubiquitin-independent proteasomal degradation of alpha-catenin.](#)

Hwang SG, Yu SS, Ryu JH, Jeon HB, Yoo YJ, Eom SH, Chun JS.

The Journal of Biological Chemistry 2005 Apr; 280(13):12758.

- [Alpha-catenin: at the junction of intercellular adhesion and actin dynamics.](#)

Kobielak A, Fuchs E.

Nature Reviews. Molecular Cell Biology 2004 Aug; 5(8):614.

## Pathway

- [Adherens junction](#)
- [Arrhythmogenic right ventricular cardiomyopathy \(ARVC\)](#)
- [Endometrial cancer](#)
- [Leukocyte transendothelial migration](#)
- [Pathways in cancer](#)
- [Tight junction](#)

## Disease

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)