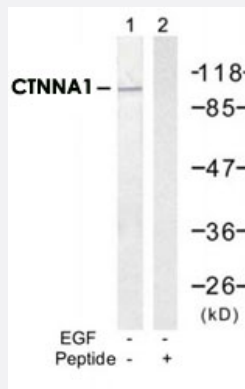


CTNNA1 polyclonal antibody

Catalog # PAB12225 Size 100 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of extract from A-431 cells, untreated or treated with EGF (200ng/ml, 30min), using CTNNA1 polyclonal antibody (Cat # PAB12225, Lane 1 and 2).

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of CTNNA1.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to residues surrounding S641 of human CTNNA1.
Sequence	DDSDF
Host	Rabbit
Theoretical MW (kDa)	100
Reactivity	Human, Mouse
Specificity	alpha-catenin (Ab-641) antibody detects endogenous levels of total alpha-catenin protein.
Form	Liquid
Purification	Immunoaffinity purification
Concentration	1 mg/mL

Quality Control Testing	Antibody Reactive Against Synthetic Peptide.
Recommend Usage	Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (without Mg ²⁺ and Ca ²⁺), 150 mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide)
Storage Instruction	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 (200ng/ml, 30min), using CTNNA1 polyclonal antibody (Cat # PAB12225, Lane 1 and 2).

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

- [Alpha-catenin is a molecular switch that binds E-cadherin-beta-catenin and regulates actin-filament assembly.](#)

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

Cell 2005 Dec; 123(5):903.

Application: WB, Chicken, Chicken pectoral muscles

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

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

Cell 2005 Dec; 123(5):889.

Application: IF, Dog, MDCK GII cells

- [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.

Application: IP, WB, Rabbit, Rabbit articular chondrocytes

Pathway

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

Disease

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