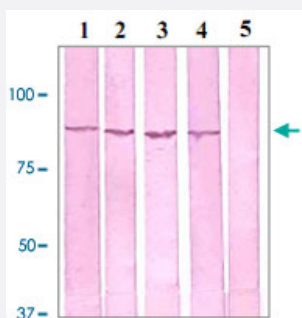


CTNNB1 polyclonal antibody

Catalog # PAB12660

Size 100 ug

Applications



Western Blot (Cell lysate)

The cell lysate derived from HeLa was immunoprobed at a dilution of 1 : 500 by the following antibodies.

- 1 : Phospho-CTNNB1 Y228 polyclonal antibody (Cat # PAB12605).
- 2 : CTNNB1 polyclonal antibody (Cat # PAB12659).
- 3 : Phospho-CTNNB1 Y280 polyclonal antibody (Cat # PAB12606).
- 4 : CTNNB1 polyclonal antibody (Cat # PAB12660).
- 5 : Negative control.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of CTNNB1.
Immunogen	A synthetic peptide corresponding to residues surrounding Y280 of human CTNNB1.
Host	Rabbit
Theoretical MW (kDa)	88
Reactivity	Human, Mouse, Rat
Specificity	This antibody recognizes ~88 KDa of human CTNNB1.
Form	Liquid
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.
Recommend Usage	Western Blot (0.1-1 ug/mL) ELISA (0.01-0.1 ug/mL) Immunoprecipitation (2-5 ug/mL) Immunohistochemistry (2-5 ug/mL) The optimal working dilution should be determined by the end user.

Storage Buffer

In TBS, pH 7.2 (BSA, 10% Proclin300)

Storage Instruction

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

Applications

- Western Blot (Cell lysate)

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- 5 : Negative control.

- Immunohistochemistry

- Immunoprecipitation

- Enzyme-linked Immunoabsorbent Assay

Gene Info — CTNNB1

Entrez GeneID[1499](#)**Gene Name**

CTNNB1

Gene Alias

CTNNB, DKFZp686D02253, FLJ25606, FLJ37923

Gene Description

catenin (cadherin-associated protein), beta 1, 88kDa

Omim ID[114550](#) [116806](#) [132600](#) [155255](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

Beta-catenin is an adherens junction protein. Adherens junctions (AJs; also called the zonula adherens) are critical for the establishment and maintenance of epithelial layers, such as those lining organ surfaces. AJs mediate adhesion between cells, communicate a signal that neighboring cells are present, and anchor the actin cytoskeleton. In serving these roles, AJs regulate normal cell growth and behavior. At several stages of embryogenesis, wound healing, and tumor cell metastasis, cells form and leave epithelia. This process, which involves the disruption and reestablishment of epithelial cell-cell contacts, may be regulated by the disassembly and assembly of AJs. AJs may also function in the transmission of the 'contact inhibition' signal, which instructs cells to stop dividing once an epithelial sheet is complete.[supplied by OMIM]

Other Designations

OTTHUMP00000165222|OTTHUMP00000165223|catenin (cadherin-associated protein), beta 1 (88kD)|catenin beta-1

Publication Reference

- [Modulation of beta-catenin phosphorylation/degradation by cyclin-dependent kinase 2.](#)

Park CS, Kim SI, Lee MS, Youn CY, Kim DJ, Jho EH, Song WK.

The Journal of Biological Chemistry 2004 Feb; 279(19):19592.

Pathway

- [Adherens junction](#)
- [Arrhythmogenic right ventricular cardiomyopathy \(ARVC\)](#)
- [Basal cell carcinoma](#)
- [Colorectal cancer](#)
- [Endometrial cancer](#)
- [Focal adhesion](#)
- [Leukocyte transendothelial migration](#)
- [Melanogenesis](#)
- [Pathogenic Escherichia coli infection - EHEC](#)
- [Pathways in cancer](#)
- [Prostate cancer](#)
- [Thyroid cancer](#)
- [Tight junction](#)
- [Wnt signaling pathway](#)

Disease

- [Adenoma](#)

- [Adrenal Cortex Neoplasms](#)
- [Alzheimer disease](#)
- [Birth Weight](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Cell Transformation](#)
- [Chromosome Aberrations](#)
- [Chromosome Deletion](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Cognition](#)
- [Colon cancer](#)
- [Colorectal Neoplasms](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Endometrial Neoplasms](#)
- [Ependymoma](#)
- [Esophageal Neoplasms](#)
- [Fibroma](#)
- [Fibromatosis](#)
- [Fractures](#)
- [Genetic Predisposition to Disease](#)
- [Glioblastoma](#)
- [Glioma](#)

- [Head and Neck Neoplasms](#)
- [Kidney Failure](#)
- [Kidney Neoplasms](#)
- [Laryngeal Neoplasms](#)
- [Leukemia](#)
- [Liver Neoplasms](#)
- [Lung Neoplasms](#)
- [Meningeal Neoplasms](#)
- [Meningioma](#)
- [Microsatellite Instability](#)
- [Mouth Neoplasms](#)
- [Neoplasm Recurrence](#)
- [Neoplasms](#)
- [Obesity](#)
- [Osteoporosis](#)
- [Ovarian cancer](#)
- [Ovarian Neoplasms](#)
- [Pancreatic cancer](#)
- [Pancreatic Neoplasms](#)
- [Pharyngeal Neoplasms](#)
- [Prostatic Neoplasms](#)
- [Pulmonary Disease](#)
- [Recurrence](#)
- [Spinal Fractures](#)
- [Stomach Neoplasms](#)
- [Urinary Bladder Neoplasms](#)

- [Werner syndrome](#)
- [Wilms Tumor](#)