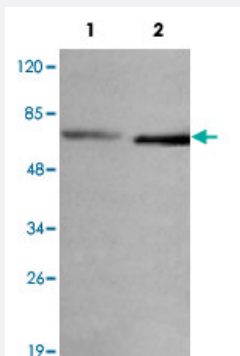


CTNNB1 monoclonal antibody

Catalog # MAB11143 Size 50 ug

Applications



Western Blot (Cell lysate)

Western blot analysis of CTNNB1 monoclonal antibody (Cat # MAB11143) at 1:1000 dilution.

Lane 1: 293 whole cell lysate 40 ug/lane.

Lane 2: HeLa whole cell lysate 40 ug/lane.

Predicted band size: 95 KDa. Observed band size: 75 KDa.

Specification

Product Description Mouse monoclonal antibody raised against synthetic peptide of CTNNB1.

Immunogen A synthetic peptide corresponding to N-terminus of human CTNNB1.

Host Mouse

Reactivity Human

Form Liquid

Purification Protein G purification

Recommend Usage ELISA (1:5000-1:20000)
Western Blot (1:100-1:2000)
The optimal working dilution should be determined by the end user.

Storage Buffer In PBS, 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

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Western blot analysis of CTNNB1 monoclonal antibody (Cat # MAB11143) at 1:1000 dilution.

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Predicted band size: 95 KDa. Observed band size: 75 KDa.

- Enzyme-linked Immunoabsorbent Assay

Gene Info — CTNNB1

Entrez GeneID [1499](#)

Protein Accession# [E35222;NM_001098210.1](#)

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

- [Monospecific antibody targeting of CDH11 inhibits epithelial-to-mesenchymal transition and represses cancer stem cell-like phenotype by up-regulating miR-335 in metastatic breast cancer, in vitro and in vivo.](#)

Chen JH, Huang WC, Bamodu OA, Chang PM, Chao TY, Huang TH.

BMC Cancer 2019 Jun; 19(1):634.

Application: WB-Ce, WB-Tr, Human, Cancer-associated fibroblasts, MCF-7, MDA-MB-231 cells

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](#)