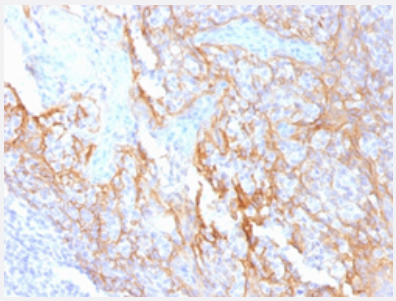
# CTNNB1 monoclonal antibody, clone 15B8

Catalog # MAB21163 Size 100 ug

## Applications



### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human tonsil with CTNNB1 monoclonal antibody, clone 15B8 (Cat # MAB21163).

## Specification

| | |
|---|---|
| **Product Description** | Mouse monoclonal antibody raised against human CTNNB1. |
| **Immunogen** | Recombinant protein corresponding to human CTNNB1. |
| **Host** | Mouse |
| **Theoretical MW (kDa)** | 92 |
| **Reactivity** | Human |
| **Form** | Liquid |
| **Purification** | Protein A/G purification |
| **Isotype** | IgG1, kappa |
| **Recommend Usage** | Flow Cytometry (0.5-1 ug/$10^6$ cells)<br>Immunofluorescence (1-2 ug/mL)<br>Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1-2 ug/mL)<br>Western Blot (0.5-1 ug/mL)<br>The optimal working dilution should be determined by the end user. |
| **Storage Buffer** | In 10 mM PBS (0.05% BSA, 0.05% sodium azide). |

Copyright © 2023 Abnova Corporation. All Rights Reserved.

| | |
|---|---|
| **Storage Instruction** | Store at 4°C. |
| **Note** | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only. |

## Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

  Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human tonsil with CTNNB1 monoclonal antibody, clone 15B8 (Cat # MAB21163).

- Immunofluorescence
- Flow Cytometry
- Western Blot

## Gene Info — CTNNB1

| | |
|---|---|
| **Entrez GeneID** | 1499 |
| **Protein Accession#** | P35222 |
| **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 adh erens) 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 cell s are present, and anchor the actin cytoskeleton. In serving these roles, AJs regulate normal cell g rowth and behavior. At several stages of embryogenesis, wound healing, and tumor cell metastasi s, 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 ma y also function in the transmission of the 'contact inhibition' signal, which instructs cells to stop divi ding once an epithelial sheet is complete.[supplied by OMIM |
| **Other Designations** | OTTHUMP00000165222\|OTTHUMP00000165223\|catenin (cadherin-associated protein), beta 1 (88kD)\|catenin beta-1 |

Copyright © 2023 Abnova Corporation. All Rights Reserved.

## 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

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- 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

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- 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

Copyright © 2023 Abnova Corporation. All Rights Reserved.