# Catenin, beta (p120) Antibody

Mouse Monoclonal Antibody [Clone 15B8]

| Catalog No | Format | Size |
|---|---|---|
| 1499-MSM3-P0 | Purified Ab with BSA and Azide at 200ug/ml | 20 ug |
| 1499-MSM3-P1 | Purified Ab with BSA and Azide at 200ug/ml | 100 ug |
| 1499-MSM3-P1ABX | Purified Ab WITHOUT BSA at 1.0mg/ml | 100 ug |

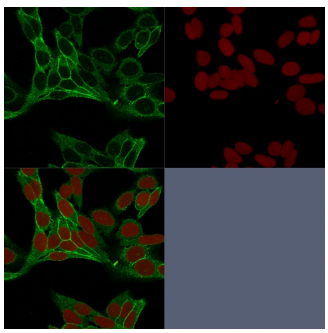
| Applications | Tested Dillution | Note |
|---|---|---|
| Flow Cytometry (Flow) | 1-2ug/million cells | |
| Immunofluorescence (IF) | 1-3ug/ml | |
| Immunohistochemistry (IHC) | 1-2ug/ml | 30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes |
| Western Blot (WB) | 2-4ug/ml | |

## Product Details

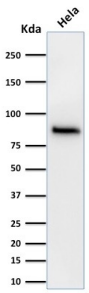
| | |
|---|---|
| **Clone** | 15B8 |
| **Gene Name** | CTNNB1 |
| **Immunogen** | Recombinant chicken ?-catenin |
| **Host** | Mouse |
| **Clonality** | Monoclonal |
| **Isotype / Light Chain** | IgG1 / Kappa |
| **Mol. Weight of Antigen** | 92kDa |
| **Cellular Localization** | Adherens junction, Cell junction, Cell membrane, Centrosome, Cilium basal body, Cytoplasm, Cytoskeleton, Microtubule organizing center, Nucleus, Spindle pole, Synapse |
| **Species Reactivity** | Chicken, Cow, Dog, Human, Mouse, Rat |
| **Positive Control** | NIH/3T3, HeLa or MCF-7 cells. Human Brain, Breast carcinoma. |

**Optimal dilution for a specific application should be determined.*

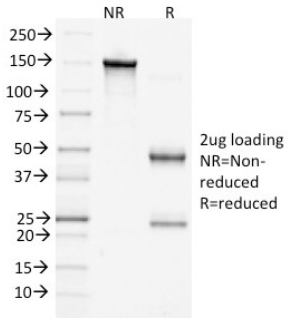
## Product Images for Catenin, beta (p120) Antibody



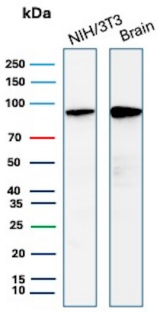
Confocal immunofluorescence image of HeLa cells using Beta-Catenin Mouse Monoclonal Antibody (15B8) labeled is Green (CF488) and Reddot is used to label the nuclei Red.



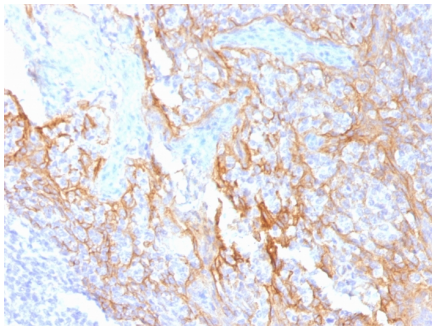

Western Blot Analysis of HeLa cell lysate using Beta-Catenin Mouse Monoclonal Antibody (15B8).




SDS-PAGE Analysis of Purified Beta-Catenin Mouse Monoclonal Antibody (15B8). Confirmation of Purity and Integrity of Antibody.




Western Blot Analysis of NIH/3T3 and human brain lysates using CTNNB1 Mouse Monoclonal Antibody (15B8).



Formalin-fixed, paraffin-embedded human Tonsil stained with Beta-Catenin Mouse Monoclonal Antibody (15B8).

## Specificity & Comments

Beta-catenin associates with the cytoplasmic portion of E-cadherin, which is necessary for the function of E-cadherin as an adhesion molecule. In normal tissues, beta-catenin is localized to the membrane of epithelial cells, consistent with its role in the cell adhesion complex. In breast ductal neoplasia, beta-catenin is usually localized in cellular membranes. However, in lobular neoplasia, a marked redistribution of beta-catenin throughout the cytoplasm results in a diffuse cytoplasmic pattern. Immuno-staining of beta-catenin and E-cadherin is helps in the accurate identification of ductal and lobular neoplasms, including a distinction between low-grade ductal carcinoma in situ (DCIS) and lobular carcinoma. Additionally, some rectal and gastric adenocarcinomas demonstrate diffuse cytoplasmic beta-catenin staining and a lack of membranous staining, mimicking the staining pattern observed with lobular breast carcinomas.

## Supplied As

200ug/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

## Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

## Research Areas

Apoptosis, Autophagy, Basal Cell Marker, BBB VCAM-1 Signaling, Breast Cancer, Cancer, Cardiovascular, Colon Cancer, Developmental Biology, Immunology, Infectious Disease, Signal Transduction, Transcription Factors

## Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.