Catenin, beta (p120) Antibody

Mouse Monoclonal Antibody [Clone CTNNB1/2099]

Catalog No	Format	Size
1499-MSM12-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
1499-MSM12-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
1499-MSM12-P1ABX	Purified Ab WITHOUT BSA at 1.0mg/ml	100 ug

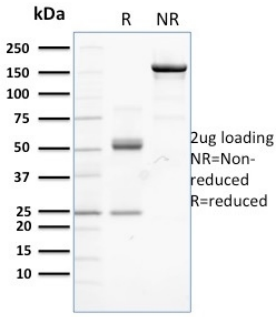
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes

Product Details

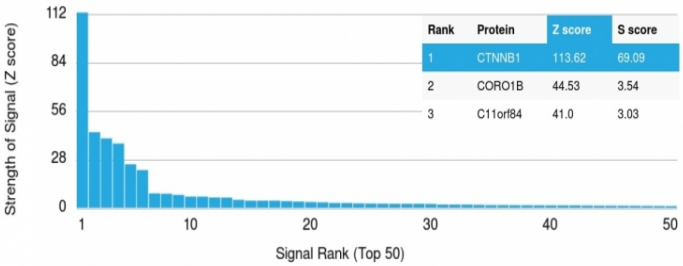
Clone	CTNNB1/2099
Gene Name	CTNNB1
Immunogen	Recombinant full-length human beta-Catenin (CTNNB1) protein
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG2b / Kappa
Mol. Weight of Antigen	92kDa
Cellular Localization	Adherens junction, Cell junction, Cell membrane, Centrosome, Cilium basal body, Cytoplasm, Cytoskeleton, Microtubule organizing center, Nucleus, Spindle pole, Synapse
Species Reactivity	Human
Positive Control	HeLa or MCF-7 cells. Breast carcinoma.

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

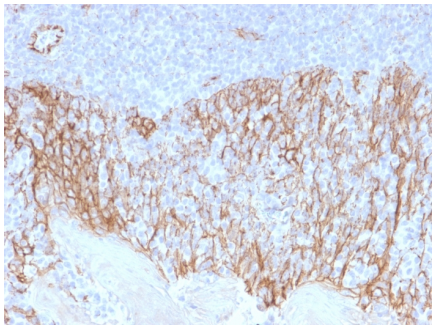
Product Images for Catenin, beta (p120) Antibody



SDS-PAGE Analysis of Purified Beta-Catenin Mouse Monoclonal Antibody (CTNNB1/2099). Confirmation of Integrity and Purity of Antibody.



Analysis of Protein Array containing more than 19,000 full-length human proteinsusing Catenin, beta (CTNNB1) Mouse Monoclonal Antibody (CTNBB1/2099). Z- and S-Score: The Z-score represents the strength of a signal that a monoclonal antibody (Monoclonal Antibody) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProtTM array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProtTM are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a Monoclonal Antibody to its intended target. A Monoclonal Antibody is considered to specific to its intended target, if the Monoclonal Antibody has an S-score of at least 2.5. For example, if a Monoclonal Antibody binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that Monoclonal Antibody to protein X is equal to 29.



Formalin-fixed, paraffin-embedded human Tonsil stained with Beta-Catenin Mouse Monoclonal Antibody (CTNNB1/2099).

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.