Recombinant Catenin, beta (p120) Antibody

Mouse Monoclonal Antibody [Clone rCTNNB1/2173]

Catalog No	Format	Size
1499-MSM13-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
1499-MSM13-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
1499-MSM13-P1ABX	Purified Ab WITHOUT BSA or Azide at 1.0mg/ml	100 ug

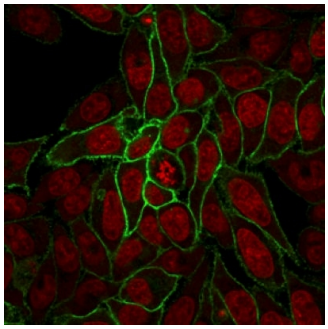
Applications	Tested Dillution	Note
Immunofluorescence (IF)	1-3ug/ml	
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)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

Product Details

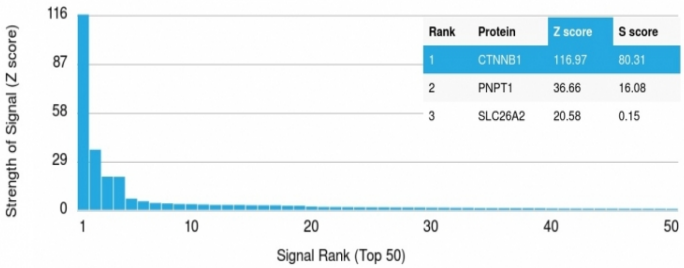
Clone	rCTNNB1/2173
Immunogen	Recombinant full-length chicken Beta-Catenin protein
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Kappa
Mol. Weight of Antigen	85.5kDa
Cellular Localization	Adherens junction, Cell junction, Cell membrane, Centrosome, Cilium basal body, Cytoplasm, Cytoskeleton, Microtubule organizing center, Nucleus, Spindle pole, Synapse
Species Reactivity	Human
Positive Control	HeLa or MCF-7 cells. Breast carcinoma. NIH/3T3, Brain, Lung

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

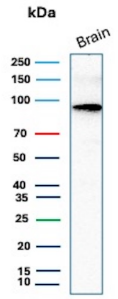
Product Images for Recombinant Catenin, beta (p120) Antibody



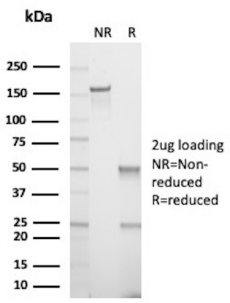
Confocal Immunofluorescence image of HeLa cells using Beta-Catenin Mouse Recombinant Monoclonal Ab (rCTNNB1/2173). Green (CF488) and Reddot is used to label the nuclei.



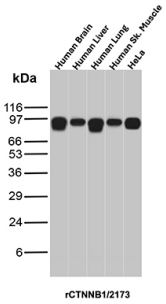
Analysis of Protein Array containing >19,000 full-length human proteins using Beta-Catenin Mouse Recombinant Monoclonal Antibody (rCTNNB1/2173) Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary 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 MAb to its intended target. A MAb is considered to specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb 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 MAb to protein X is equal to 29.



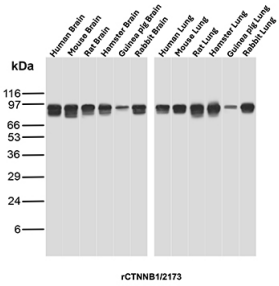
Western Blot Analysis of human brain lysate using CTNNB1 Mouse Recombinant Monoclonal Antibody (rCTNNB1/2173).



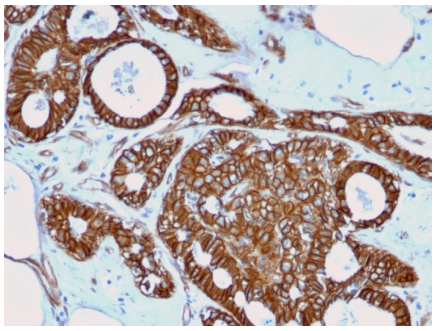
SDS-PAGE Analysis of Purified Catenin beta-1 Recombinant Mouse Monoclonal Antibody (rCTNNB1/2173). Confirmation of Purity and Integrity of Antibody.



Western Blot Analysis of Human Brain, Human Liver, Human Lung, Human Skeletal muscle and HeLa lysates using CTNNB1 Mouse Recombinant Monoclonal Antibody (rCTNNB1/2173).



Western Blot Analysis of Brain and Lung tissue lysates of different speciesusing CTNNB1 Mouse Recombinant Monoclonal Antibody (rCTNNB1/2173).



Formalin-fixed, paraffin-embedded human Breast Cancer stained with Beta-Catenin Mouse Recombinant Monoclonal Ab (rCTNNB1/2173).

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.

Supplied As

200ug/ml of Ab produced in a mammalian-based expression system. 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.

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.