

## p120 / Catenin, delta-1 (CTNND1) Antibody

Mouse Monoclonal Antibody [Clone CTNND1/4501]

Catalog No	Format	Size
1500-MSM11-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
1500-MSM11-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
1500-MSM11-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

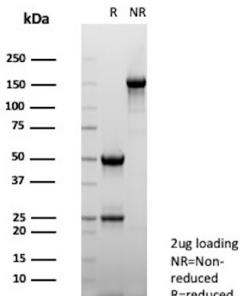
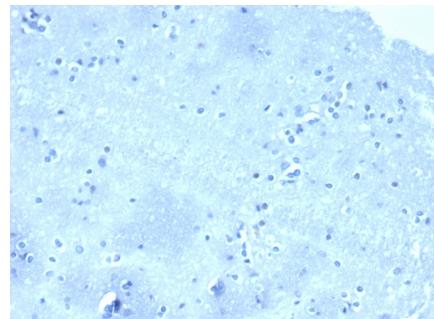
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes

### Product Details

Clone	CTNND1/4501
Gene Name	CTNND1
Immunogen	Recombinant fragment (around aa138-276) of human p120 (exact sequence is proprietary)
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG2b / Kappa
Mol. Weight of Antigen	120kDa
Cellular Localization	Adherens junction, Cell junction, Cell membrane, Cytoplasm, Nucleus
Species Reactivity	Human
Positive Control	Human colon tissue.

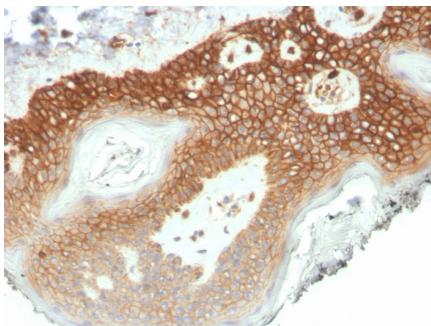
\*Optimal dilution for a specific application should be determined.

### Product Images for p120 / Catenin, delta-1 (CTNND1) Antibody



Negative tissue control. IHC analysis of formalin-fixed, paraffin-embedded human brain stained with CTNND1/4501 at 2ug/ml in PBS for 30min RT. HIER: Tris/EDTA, pH9.0, 45min. 2°C: HRP-polymer, 30min. DAB, 5min.

SDS-PAGE Analysis of Purified CTNND1 Mouse Monoclonal Antibody (CTNND1/4501). Confirmation of Purity and Integrity of Antibody.



IHC analysis of formalin-fixed, paraffin-embedded human colon. CTNND1/4501 at 2ug/ml in PBS for 30min RT. HIER: Tris/EDTA, pH9.0, 45min. 2°C: HRP-polymer, 30min. DAB, 5min.

### Specificity & Comments

Alpha-catenin and beta-catenin bind to the intracellular domain of E-cadherin while p120 catenin binds E-cadherin at a juxta-membrane site. The complex stabilizes tight junctions. In the cell, p120 catenin localized to the E-cadherin/catenins cell adhesion complex, directly associates with cytoplasmic C-terminus of E-cadherin and may similarly interact with other cadherins. p120 is a proliferation-associated nucleolar protein found in most human malignant tumors, but not in resting normal cells. In colorectal cancer the altered localization of p120 catenin corresponds with loss of cytoplasmic localization of E-cadherin. Studies have shown accurate categorization of ductal vs. lobular neoplasia in the breast was achieved with p120 staining. p120 expression further clarifies the separation of low-grade ductal carcinoma *in situ* from lobular neoplasia. Studies also have shown that altered expression of p120 catenin antibody predicts poor outcome in invasive breast cancer.

### 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.

### 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

BBB VCAM-1 Signaling, Cardiovascular, Infectious Disease, Signal Transduction