

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

Mouse Monoclonal Antibody [Clone rCTNND1/6903]

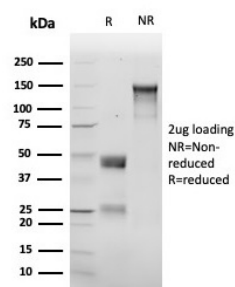
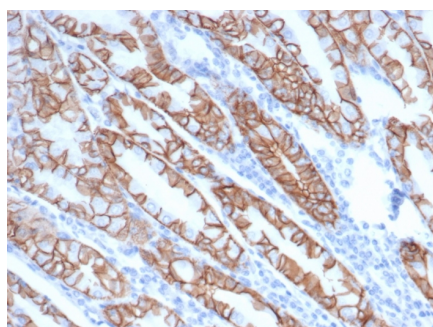
Catalog No	Format	Size
1500-MSM13-P0	Purified Ab with BSA and Azide	200ug/ml
1500-MSM13-P1	Purified Ab with BSA and Azide	200ug/ml
1500-MSM13-P1ABX	Purified Ab WITHOUT BSA and Azide	1.0mg/ml

Applications	Tested Dillution
Immunohistochemistry (IHC)	1-2ug/ml

Product Details	
Clone	rCTNND1/6903
Gene Name	CTNND1
Immunogen	Recombinant fragment (around aa868-968) of human p120 (exact sequence is proprietary)
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / 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 Recombinant p120 / Catenin, delta-1 (CTNND1) Antibody



IHC analysis of formalin-fixed, paraffin-embedded human stomach. Glandular cells stained using rCTNND1/6903 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 p120 Recombinant Mouse MonoclonalAntibody (rCTNND1/6903). Confirmation of Integrity and Purity of Antibody.

### 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.

### Research Areas

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

### Known Applications & Suggested Dilutions

Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 minutes 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 &degC followed by cooling at RT for 20 minutes),Optimal dilution for a specific application should be determined.

### 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.