

Catenin, delta-1 (CTNND1) (pTyr96) Antibody

Mouse Monoclonal Antibody [Clone 25a]

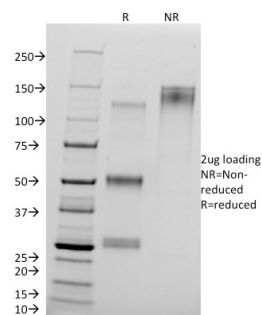
Catalog No	Format	Size
1500-MSM1-P0	Purified Ab with BSA and Azide	200ug/ml
1500-MSM1-P1	Purified Ab with BSA and Azide	200ug/ml
1500-MSM1-P1ABX	Purified Ab WITHOUT BSA and Azide	1.0mg/ml

Applications	Tested Dillution
Flow Cytometry (Flow)	1-2ug/million cells
Immunofluorescence (IF)	1-3ug/ml

Product Details	
Clone	25a
Gene Name	CTNND1
Immunogen	Mouse p120 Catenin (pY96)
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, Mouse, Rat
Positive Control	HeLa cells. HeLa whole cell lysate.

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

Product Images for Catenin, delta-1 (CTNND1) (pTyr96) Antibody



SDS-PAGE Analysis of Purified CTNND1 Mouse Monoclonal Antibody (25a).
Confirmation of Purity and Integrity of Antibody.

Specificity & Comments

The membrane associated protein pp120 Src substrate (p120 Catenin, p120cas) was identified as a tyrosine kinase substrate that is phosphorylated in Src transformed cells or in response to growth factor stimulation. It shares structural similarity with the Drosophila Armadillo protein and the vertebrate beta-catenin and gamma-catenin proteins. Its characteristic Arm domain that is composed of 42-amino acid motif repeats evidences this similarity. In the cell, p120 Catenin is localized to the E-Cadherin/catenins cell adhesion complex. Like beta- and gamma-catenin, p120 Catenin directly associates with the cytoplasmic C-terminus of E-Cadherin via its Arm domain and may similarly interact with other Cadherins. It exists as four isoforms that range in size from 90-115kDa. Expression of these isoforms is heterogeneous in human carcinomas, suggesting that altered pp120 expression contributes to malignancy due to loss of functional cell adhesions. Multiple tyrosine residues (Y96, Y112, Y228, Y280, Y257, Y291, Y296, and Y302) in p120 Catenin are phosphorylated by Src and these phosphorylations may facilitate interaction with PTP1C/SHP-1 in response to EGF stimulation. Thus, p120 Catenin is an Arm domain protein that interacts with both cell adhesion molecules, such as cadherins and cell signaling molecules, such as PTP1C.

Research Areas

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

Known Applications & Suggested Dilutions

ELISA (For coating, order antibody without BSA) | Flow Cytometry (1-2ug/million cells) | Immunofluorescence (1-2ug/ml) | 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.