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Datasheet for ABIN6939213
anti-CTNND1 antibody

1 Image

Overview

Quantity:	100 µg
Target:	CTNND1
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Clonality:	Monoclonal
Application:	ELISA, Immunofluorescence (IF), Flow Cytometry (FACS), Coating (Coat)

Product Details

Immunogen:	Mouse p120 Catenin (pY96)
Clone:	25a
Isotype:	IgG1 kappa
Purification:	Purified by Protein A/G

Target Details

Target:	CTNND1
Alternative Name:	CTNND1 (CTNND1 Products)
Background:	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

Target Details

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 90-115 kDa. 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.

Molecular Weight: 120kDa

Gene ID: 1500

UniProt: [O60716](#)

Pathways: [EGFR Signaling Pathway](#), [Neurotrophin Signaling Pathway](#), [Cell-Cell Junction Organization](#), [CXCR4-mediated Signaling Events](#), [Platelet-derived growth Factor Receptor Signaling](#)

Application Details

Application Notes: Positive Control: HeLa cells. HeLa whole cell lysate.
Known Application: ELISA (For coating, order antibody without BSA), Flow Cytometry (0.5-1 µg/million cells), Immunofluorescence (1-2 µg/mL), Optimal dilution for a specific application should be determined.

Restrictions: For Research Use only

Handling

Concentration: 200 µg/mL

Buffer: 10 mM PBS with 0.05 % BSA & 0.05 % azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C, -80 °C

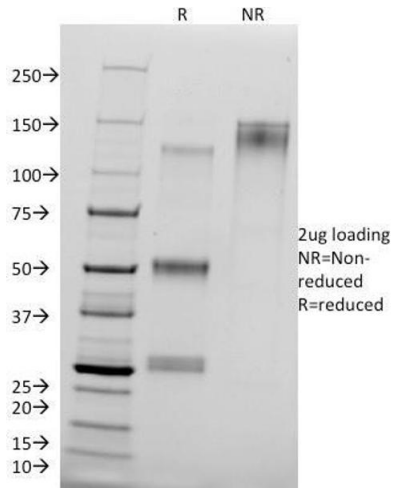
Storage Comment: Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody

Handling

is stable for 24 months. Non-hazardous. No MSDS required.

Expiry Date: 24 months

Images



SDS-PAGE

Image 1. SDS-PAGE Analysis of Purified CTNND1 Mouse Monoclonal Antibody (25a). Confirmation of Purity and Integrity of Antibody.