9853 Pacific Heights Blvd.
Suite D. San Diego,
CA 92121, USA
Tel: 858-263-4982
Email: info@abeomics.com

36-2142: Anti-Catenin, delta-1 (CTNND1) (pTyr96) Monoclonal Antibody(Clone: 25a)

Clonality :	Monoclonal
Clone Name :	25a
Application :	ELISA,FACS,IF
Reactivity :	Human, Mouse, Rat
Gene :	CTNND1
Gene ID :	1500
Uniprot ID :	O60716
Alternative Name :	Cadherin-associated Src substrate (CAS); Catenin (cadherin associated protein) delta 1; Catenin delta-1; CTNND1; p120 catenin; P120 CTN; p120(cas); p120(ctn); P120CAS; P120CTN
Isotype :	Mouse IgG1, kappa
Immunogen Information :	Mouse p120 Catenin (pY96)

Description

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, sÂµggesting 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.

Product Info

Amount :	20 µg / 100 µg
Content :	200 µg/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 condition :	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.

Application Note

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

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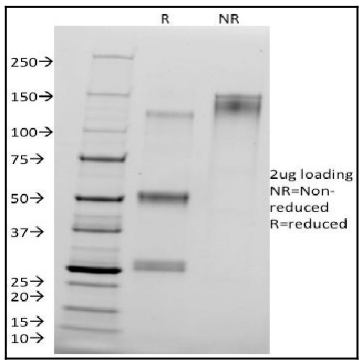

Fig. 1: SDS-PAGE Analysis of Purified CTNND1 Mouse Monoclonal Antibody (25a). Confirmation of Purity and Integrity of Antibody.

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