

Product datasheet

anti-p120 (catenin, delta-1 (TNND1; pTyr96)) mouse monoclonal, EBS-CA-011, purified

Short overview

Cat. No.	691628
Quantity	1 ml (100 µg/ml)
Concentration	100 µg/ml

Product description

Host	Mouse
Antibody Type	Monoclonal
Isotype	IgG1 kappa
Clone	EBS-CA-011
Immunogen	Mouse p120 catenin (pY96)
Formulation	PBS with 0.02% sodium azide
UniprotID	O60716 (Human), P30999 (Mouse), D3ZZZ9 (Rat)
Synonym	Catenin delta-1, Cadherin-associated Src substrate, CAS, p120 catenin, p120(ctn, p120(cas, CTNND1, KIAA0384
Conjugate	Unconjugated
Purification	Affinity chromatography
Storage	2-8°C
Intended use	Research use only
Application	IHC, WB
Reactivity	Human, Mouse, Rat

Applications

Immunohistochemistry (IHC) - frozen	1:50-1:100 (1-2 µg/ml)
Western Blot (WB)	1:50-1:100 (1-2 µg/ml)

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 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

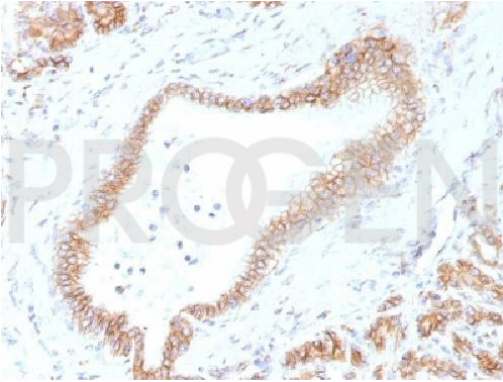
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adhesion molecules, such as cadherins and cell signalling molecules, such as PTP1C.

Positive control: carcinoma.

Product images



Human pancreas