

Mouse anti-Human p120/Catenin, delta-1 (CTNND1) Monoclonal Antibody | anti-CTNND1 antibody

p120/Catenin, delta-1 (CTNND1) Mouse Monoclonal Antibody [Clone CTNND1/4501]

CATALOG # AAA215581	HOST Mouse	REACTIVITY Human	APPLICATIONS Immunohistochemistry
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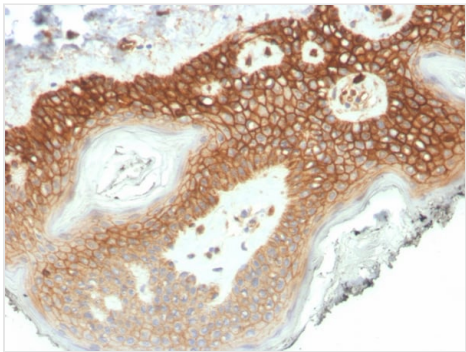
PRODUCT SYNONYMS

p120/Catenin; delta-1 (CTNND1); Monoclonal Antibody; delta-1 (CTNND1) Mouse Monoclonal Antibody [Clone CTNND1/4501]; 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; anti-CTNND1 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	Mouse/IgG2b, kappa
Clone Number	CTNND1/4501
Form/Format	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.
Concentration	Purified Ab with BSA and Azide at 200ug/ml OR Purified Ab WITHOUT BSA and Azide at 1.0mg/ml (varies by lot)
Applicable Applications for anti-CTNND1 antibody	IHC (Immunohistochemistry)
Immunogen	Recombinant fragment (around aa138-276) of human p120 (exact sequence is proprietary)
Cellular Localization	Cell Surface, Cytoplasm
Positive Control	Human colon tissue.
Hu-chromosome Location	11q11
Unigene	166011
Preparation and Storage	Antibody with azide: store at 2 to 8 degree C Antibody without azide: store at -20 to -80 degree C Antibody is stable for 24 months. Non-hazardous. No MSDS required.

IMAGES



IHC (Immunohistochemistry)
IHC analysis of formalin-fixed, paraffin-embedded human colon. CTNND1/4501 at 2ug/ml in PBS for 30min RT. HIER: Tris/EDTA, pH9. 0, 45min. 2 degree : HRP-polymer, 30min. DAB, 5min.

ADDITIONAL INFORMATION

Related Product Information for anti-CTNND1 antibody	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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	146231940
NCBI GeneID	1500
NCBI Accession #	NP_001078927.1
NCBI GenBank Nucleotide #	NM_001085458.1
UniProt Accession #	O60716; O15088; O60713; O60714; O60715; O60935; Q6DHz7; Q6RBx8; Q9UP71; Q9UP72; Q9UP73; A8K939
Molecular Weight	108,170 Da
NCBI Official Full Name	catenin delta-1 isoform 1ABC
NCBI Official Synonym Full Names	catenin (cadherin-associated protein), delta 1
NCBI Official Symbol	CTNND1
NCBI Official Synonym Symbols	CAS; p120; CTNND; P120CAS; P120CTN; p120(CAS); p120(CTN)
NCBI Protein Information	catenin delta-1; p120 catenin; cadherin-associated Src substrate
UniProt Protein Name	Catenin delta-1
UniProt Gene Name	CTNND1
UniProt Synonym Gene Names	KIAA0384; CAS; p120(ctn)
UniProt Entry Name	CTND1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

