

p120 Catenin Monoclonal antibody

Catalog Number: 66208-1-Ig

Featured Product

4 Publications

Basic Information

Catalog Number:

66208-1-Ig

Size:

800 µg/ml

Source:

Mouse

Isotype:

IgG2b

Immunogen Catalog Number:

AG2824

GenBank Accession Number:

BC010501

GeneID (NCBI):

1500

UNIPROT ID:

O60716

Full Name:

catenin (cadherin-associated protein),
delta 1

Calculated MW:

948 aa, 105 kDa

Observed MW:

90-120 kDa

Purification Method:

Protein A purification

CloneNo.:

2F7H8

Recommended Dilutions:

WB 1:500-1:2000

IHC 1:250-1:1000

IF 1:50-1:500

Applications

Tested Applications:

IF/ICC, IHC, WB, ELISA

Cited Applications:

WB, IP, IF

Species Specificity:

human, mouse, rat

Cited Species:

human, rat, mouse

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB: fetal human brain tissue, HeLa cells, HEK-293 cells, A549 cells, mouse brain tissue, A431 cells, HSC-T6 cells, NIH/3T3 cells

IHC: human breast cancer tissue, human colon cancer tissue, rat colon tissue, mouse colon tissue

IF: MCF-7 cells, HeLa cells, human breast cancer tissue

Background Information

Catenins were discovered as proteins that are linked to the cytoplasmic domain of transmembrane cadherins (PMID: 9653641). p120 catenin, also called p120 ctn or catenin delta-1, regulates cell-cell adhesion through its interaction with the cytoplasmic tail of classical and type II cadherins. p120 catenin is a tyrosine kinase substrate implicated in cell transformation by SRC, as well as in ligand-induced receptor signaling through the EGF receptor, the PDGF receptor, and the CSF1 receptor. Different expression patterns of p120 catenin in lobular and ductal carcinomas of breast have been reported: membrane stain for ductal carcinoma and cytoplasmic stain for lobular carcinoma (PMID: 24966968). Different isoforms of p120 catenin are variably expressed in different tissues as a result of alternative splicing and the use of multiple translation initiation codons (PMID: 19150613).

Notable Publications

Author	Pubmed ID	Journal	Application
Dianlei Guo	33144400	Development	IF
Wei Tian	35851744	Mol Oncol	WB, IF, IP
Qing Lyu	30584103	Proc Natl Acad Sci U S A	IP

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

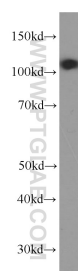
For technical support and original validation data for this product please contact:

T: 4006900926

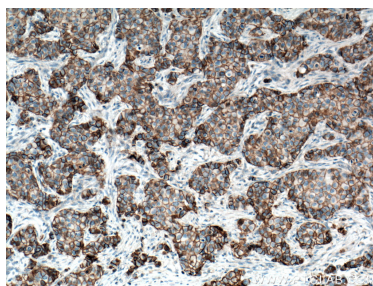
E: Proteintech-CN@ptglab.comW: ptgcn.com

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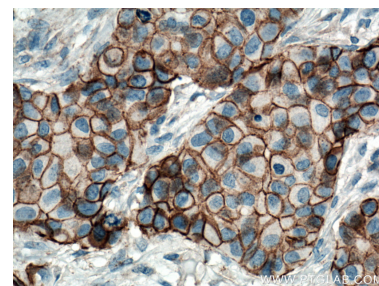
Selected Validation Data



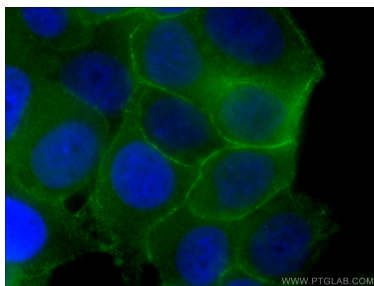
fetal human brain tissue were subjected to SDS PAGE followed by western blot with 66208-1-Ig (p120 Catenin antibody at dilution of 1:1000 incubated at room temperature for 1.5 hours.



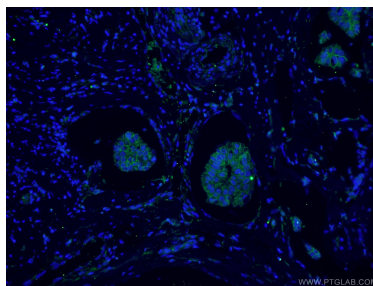
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 66208-1-Ig (p120 Catenin antibody) at dilution of 1:500 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 66208-1-Ig (p120 Catenin antibody) at dilution of 1:500 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed MCF-7 cells using 66208-1-Ig (p120 Catenin antibody) at dilution of 1:100 and CoraLite488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



Immunofluorescent analysis of (4% PFA) fixed human breast cancer tissue using 66208-1-Ig (p120 Catenin antibody) at dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Mouse IgG(H+L).