

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:

IF, IP, WB

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

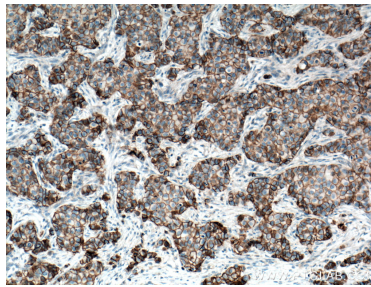
E: Proteintech-CN@ptglab.comW: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

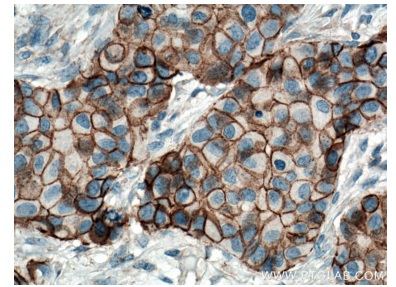
Selected Validation Data



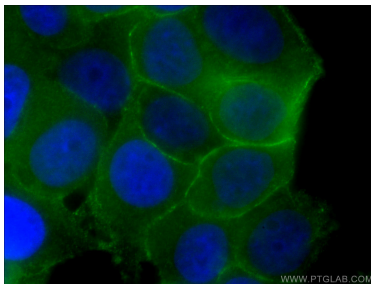
fetal human brain tissue were subjected to SDS PAGE followed by western blot with 66208-1-Ig (p120 Catenin antibody at dilution of 1:1000 incubated at room temperature for 1.5 hours.



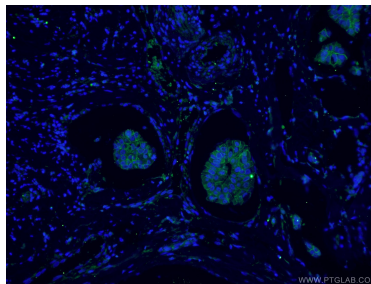
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 66208-1-Ig (p120 Catenin antibody) at dilution of 1:500 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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).