

For Research Use Only

p120 Catenin Monoclonal antibody

Catalog Number: 66208-1-Ig

Featured Product

5 Publications



Basic Information

Catalog Number: 66208-1-Ig	GenBank Accession Number: BC010501	Purification Method: Protein A purification
Size: 150ul, Concentration: 800 ug/ml by Nanodrop and 373 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 1500	CloneNo.: 2F7H8
Source: Mouse	UNIPROT ID: O60716	Recommended Dilutions: WB 1:500-1:2000 IHC 1:250-1:1000 IF-Fro 1:200-1:800 IF/ICC 1:200-1:400
Isotype: IgG2b	Full Name: catenin (cadherin-associated protein), delta 1	
Immunogen Catalog Number: AG2824	Calculated MW: 948 aa, 105 kDa	
	Observed MW: 90-120 kDa	

Applications

Tested Applications:
WB, IHC, IF/ICC, IF-Fro, ELISA

Cited Applications:
WB, IF, IP

Species Specificity:
human, mouse, rat

Cited Species:
human, mouse, rat

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, mouse colon tissue, rat colon tissue

IF-Fro: mouse breast cancer,

IF/ICC: A431 cells, HeLa cells

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

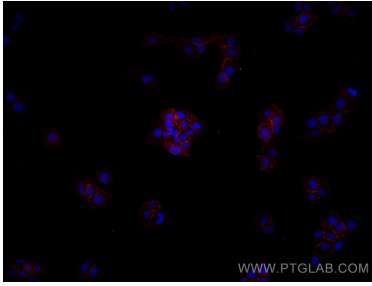
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

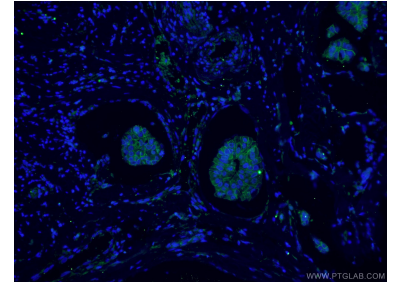
Selected Validation Data



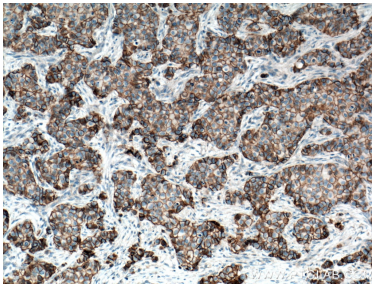
Immunofluorescent analysis of (4% PFA) fixed A431 cells using p120 Catenin antibody (66208-1-Ig, Clone: 2F7H8) at dilution of 1:800 and Multi-rAb CoraLite® Plus 594-Goat Anti-Mouse Recombinant Secondary Antibody (H+L) (Cat.NO. RGAM004).



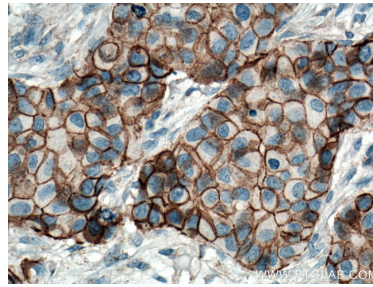
fetal human brain tissue were subjected to SDS PAGE followed by western blot with 66208-1-Ig (p120 Catenin antibody at dilution of 1:1000 incubated at room temperature for 1.5 hours.



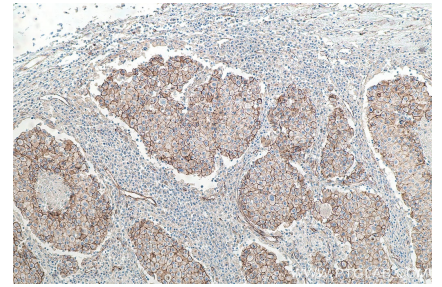
Immunofluorescent analysis of (4% PFA) fixed human breast cancer tissue using 66208-1-Ig (p120 Catenin antibody) at dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



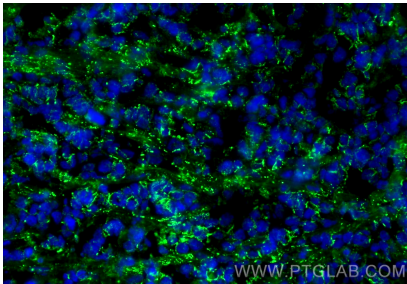
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 66208-1-Ig (p120 Catenin antibody) at dilution of 1:500 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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).



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 66208-1-Ig (p120 Catenin antibody) at dilution of 1:5000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of un-fixed frozen OCT-embedded mouse breast cancer using p120 Catenin antibody (66208-1-Ig, Clone: 2F7H8) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L) (SA00013-1).