

For Research Use Only

CoraLite®594-conjugated p120 Catenin Monoclonal antibody



Catalog Number: CL594-66208

Featured Product

Basic Information

Catalog Number:

CL594-66208

Size:

2000 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:

IF 1:50-1:500

Excitation/Emission maxima

wavelengths:

588 nm / 604 nm

Applications

Tested Applications:

IF/ICC

Species Specificity:

human, mouse, rat

Positive Controls:

IF : MCF-7 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).

Storage

Storage:

Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

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

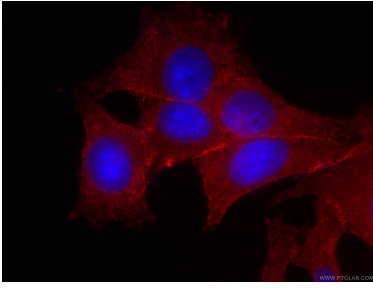
T: 4006900926

E: Proteintech-CN@ptglab.com

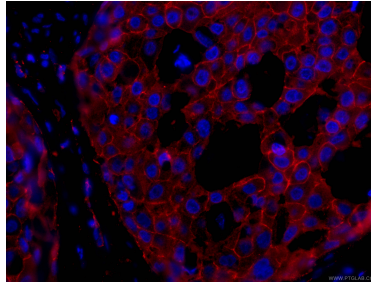
W: ptgcn.com

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

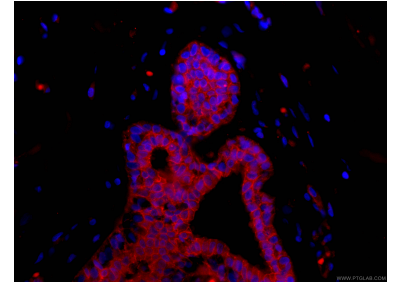
Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed MCF-7 cells using CL594-66208 (p120 Catenin antibody) at dilution of 1:100.



Immunofluorescent analysis of (4% PFA) fixed human breast cancer tissue using the CoraLite®594-conjugated version of this antibody, CL594-66208 (p120 Catenin antibody), at dilution of 1:100.



Immunofluorescent analysis of (4% PFA) fixed human breast cancer tissue using the CoraLite®594-conjugated version of this antibody, CL594-66208 (p120 Catenin antibody), at dilution of 1:100.