

For Research Use Only

# CoraLite®594-conjugated p120 Catenin Monoclonal antibody

Catalog Number: CL594-66208

Featured Product



## Basic Information

### Catalog Number:

CL594-66208

### Size:

100ul , Concentration: 2000 ug/ml by Nanodrop;

### 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-P 1:50-1:500

IF/ICC 1:50-1:500

### Excitation/Emission maxima wavelengths:

588 nm / 604 nm

## Applications

### Tested Applications:

IF/ICC, IF-P

### Species Specificity:

human, mouse, rat

### Positive Controls:

IF-P : human breast cancer tissue,

IF/ICC : 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

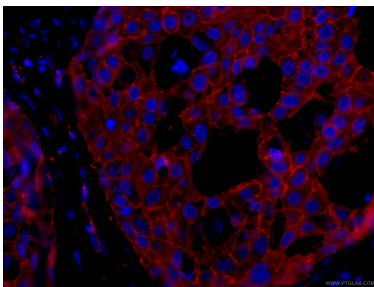
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

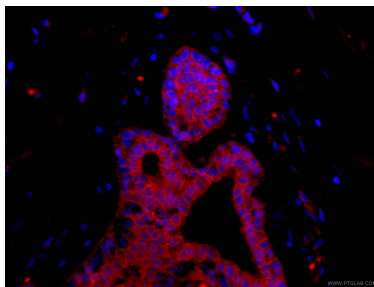
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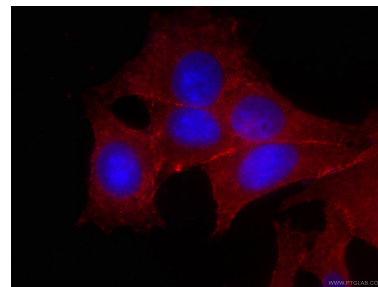
## Selected Validation Data



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.



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