

For Research Use Only

# CoraLite®594-conjugated p120 Catenin Monoclonal antibody



Catalog Number: **CL594-66208**

Featured Product

## Basic Information

<b>Catalog Number:</b> CL594-66208	<b>GenBank Accession Number:</b> BC010501	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100UL, Concentration: 2000 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 1500	<b>CloneNo.:</b> 2F7H8
<b>Source:</b> Mouse	<b>Full Name:</b> catenin (cadherin-associated protein), delta 1	<b>Recommended Dilutions:</b>
<b>Isotype:</b> IgG2b	<b>Calculated MW:</b> 948 aa, 105 kDa	<b>Excitation/Emission maxima wavelengths:</b> 593 nm/614 nm
<b>Immunogen Catalog Number:</b> AG2824	<b>Observed MW:</b> 90-120 kDa	

## Applications

<b>Tested Applications:</b> IF, ELISA	<b>Positive Controls:</b> IF : MCF-7 cells, human breast cancer tissue
<b>Species Specificity:</b> human, mouse, rat	

## 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).

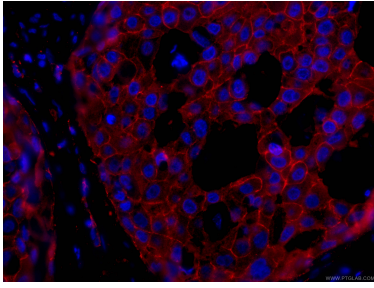
## Storage

**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

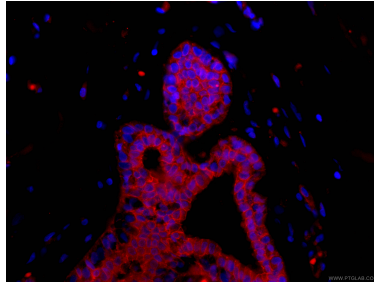
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

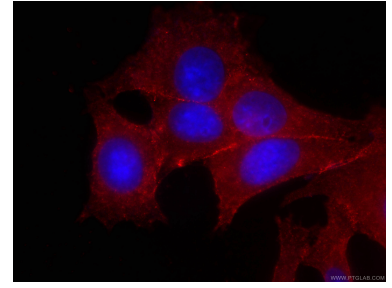
## Selected Validation Data



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



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