

For Research Use Only

# CoraLite® Plus 488-conjugated Beta Catenin Recombinant antibody



Catalog Number:CL488-80488

## Basic Information

<b>Catalog Number:</b> CL488-80488	<b>GenBank Accession Number:</b> BC058926	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 1499	<b>CloneNo.:</b> 2J24
<b>Source:</b> Rabbit	<b>Full Name:</b> catenin (cadherin-associated protein), beta 1, 88kDa	<b>Recommended Dilutions:</b> IF 1:50-1:500
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 781 aa, 86 kDa	<b>Excitation/Emission maxima wavelengths:</b> 488 nm / 515 nm
	<b>Observed MW:</b> 92 kDa	

## Applications

<b>Tested Applications:</b> IF	<b>Positive Controls:</b> IF : MCF-7 cells,
<b>Species Specificity:</b> Human, Pig, Mouse, Rat, Zebrafish	

## Background Information

β-Catenin, also known as CTNNB1, is an evolutionarily conserved, multifunctional intracellular protein. β-Catenin is a 92-kDa protein, originally identified in cell adherens junctions (AJs) where it functions to bridge the cytoplasmic domain of cadherins to α-catenin and the actin cytoskeleton. Besides its essential role in the AJs, β-catenin is also a key downstream component of the canonical Wnt pathway that plays diverse and critical roles in embryonic development and adult tissue homeostasis. The Wnt/β-catenin pathway is also involved in the activation of other intracellular messengers such as calcium fluxes, JNK, and SRC kinases. Deregulation of β-catenin activity is associated with multiple diseases including cancers. (PMID: 22617422; 18334222)

## Storage

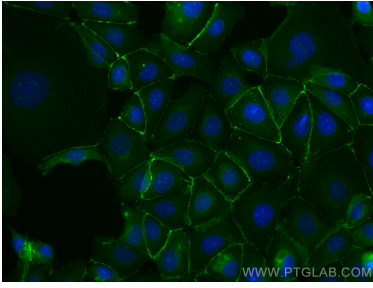
**Storage:**  
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 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 (-20°C Methanol) fixed MCF-7 cells using CoraLite® Plus 488 Beta Catenin antibody (CL488-80488, Clone: 2124 ) at dilution of 1:200.