

For Research Use Only

CoraLite®594-conjugated Beta Catenin Polyclonal antibody



Catalog Number: CL594-17565

Featured Product

Basic Information

Catalog Number: CL594-17565	GenBank Accession Number: BC058926	Purification Method: Antigen affinity purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 1499	Recommended Dilutions: IF 1:50-1:500
Source: Rabbit	Full Name: catenin (cadherin-associated protein), beta 1, 88kDa	Excitation/Emission maxima wavelengths: 593 nm / 614 nm
Isotype: IgG	Calculated MW: 781 aa, 86 kDa	
Immunogen Catalog Number: AG11763	Observed MW: 92 kDa	

Applications

Tested Applications:
FC (Intra), IF

Species Specificity:
human, mouse, rat

Positive Controls:

IF : MCF-7 cells, T-47D cells

Background Information

β-Catenin, also known as CTNNB1, is an evolutionarily conserved, multifunctional intracellular protein. β-Catenin was 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

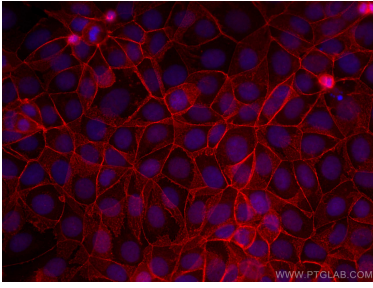
For technical support and original validation data for this product please contact:

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

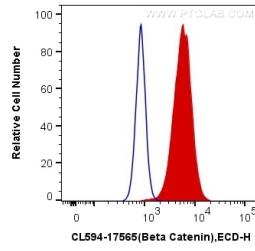
E: proteintech@ptglab.com
W: ptglab.com

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 MCF-7 cells using Coralite@594 Beta Catenin antibody (CL594-17565) at dilution of 1:200.



1X10⁶ MCF-7 cells were intracellularly stained with 0.4 ug Coralite@594 Anti-Human Beta Catenin (CL594-17565) (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).