

For Research Use Only

CoraLite® Plus 488-conjugated Beta Catenin Recombinant antibody



Catalog Number: CL488-80488

Basic Information

Catalog Number: CL488-80488	GenBank Accession Number: BC058926	Purification Method: Protein A purification
Size: 1000 µg/ml	GeneID (NCBI): 1499	CloneNo.: 2124
Source: Rabbit	ENSEMBL Gene ID: ENSG00000168036	Recommended Dilutions: IF 1:50-1:500
Isotype: IgG	UNIPROT ID: P35222	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
	Full Name: catenin (cadherin-associated protein), beta 1, 88kDa	
	Calculated MW: 781 aa, 86 kDa	
	Observed MW: 92 kDa	

Applications

Tested Applications: IF/ICC	Positive Controls: IF : MCF-7 cells,
Species Specificity: 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

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

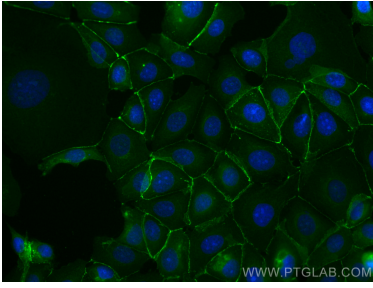
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

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.