

CoraLite® Plus 647-conjugated Phospho-Beta Catenin (Ser675) Recombinant antibody

Catalog Number: CL647-80084

Basic Information

Catalog Number: CL647-80084	GenBank Accession Number: BC058926	Purification Method: Protein A purification
Size: 1000 µg/ml	GeneID (NCBI): 1499	CloneNo.: 6D6
Source: Rabbit	ENSEMBL Gene ID: ENSG00000168036	Recommended Dilutions: IF/ICC 1:50-1:500
Isotype: IgG	UNIPROT ID: P35222	Excitation/Emission maxima wavelengths: 654 nm / 674 nm
	Full Name: catenin (cadherin-associated protein), beta 1, 88kDa	
	Calculated MW: 781 aa, 86 kDa	
	Observed MW: 90-100 kDa	

Applications

Tested Applications:

IF/ICC

Species Specificity:

Human, mouse, rat

Positive Controls:

IF/ICC : λ phosphatase treated MCF-7 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). PKA was shown to phosphorylate β-catenin at Ser675. Phosphorylation at Ser675 induces β-catenin accumulation in the nucleus and increases its transcriptional activity.

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

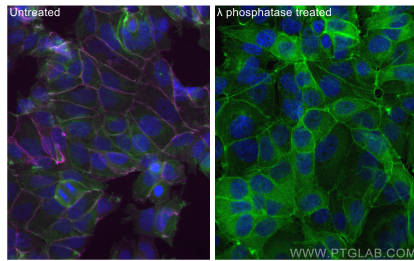
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Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed λ phosphatase treated MCF-7 cells using CoraLite® Plus 647 Phospho-Beta Catenin (Ser675) antibody (CL647-80084, Clone: 6D6) at dilution of 1:200, CL488-Phalloidin (green).