

For Research Use Only

Beta Catenin Recombinant antibody, PBS Only

Catalog Number: 80488-1-PBS



Basic Information

Catalog Number: 80488-1-PBS	GenBank Accession Number: BC058926	Purification Method: Protein A purification
Size: 100ug, Concentration: 1mg/ml by Nanodrop;	GeneID (NCBI): 1499	CloneNo.: 2J24
Source: Rabbit	ENSEMBL Gene ID: ENSG00000168036	
Isotype: IgG	UNIPROT ID: P35222	
	Full Name: catenin (cadherin-associated protein), beta 1, 88kDa	
	Calculated MW: 781 aa, 86 kDa	
	Observed MW: 92 kDa	

Applications

Tested Applications:
WB, IHC, IF/ICC, Indirect ELISA

Species Specificity:
human, mouse, rat, pig, 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

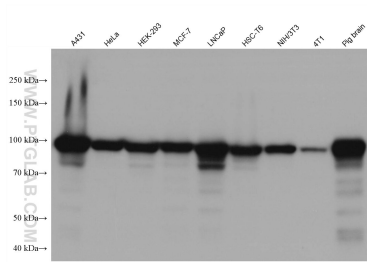
Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

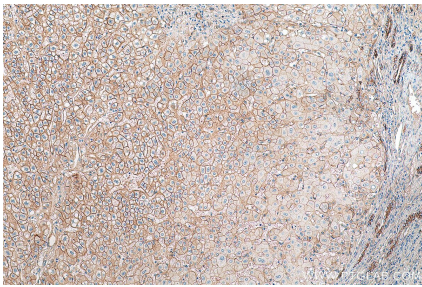
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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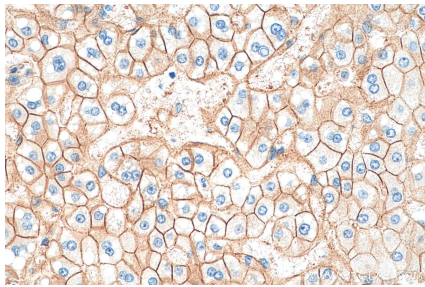
Selected Validation Data



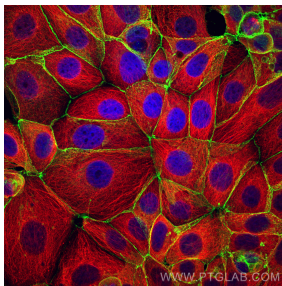
Various lysates were subjected to SDS PAGE followed by western blot with 80488-1-RR (Beta Catenin antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 80488-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 80488-1-RR (Beta Catenin antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 80488-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 80488-1-RR (Beta Catenin antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 80488-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed MCF-7 cells using Beta Catenin antibody (80488-1-RR, Clone: 2J24) at dilution of 1:500 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), Alpha Tubulin antibody (66031-1-Ig, Clone: 1E4C11, red). This data was developed using the same antibody clone with 80488-1-PBS in a different storage buffer formulation.