

For Research Use Only



Gamma Catenin Recombinant monoclonal antibody, PBS Only (Detector)

Catalog Number: 88895-2-PBS

Basic Information

Catalog Number: 88895-2-PBS	GenBank Accession Number: BC011865	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 3728	CloneNo.: 261780E6
Source: Rabbit	UNIPROT ID: P14923	
Isotype: IgG	Full Name: junction plakoglobin	
Immunogen Catalog Number: AG1627	Calculated MW: 82 kDa	
	Observed MW: 82 kDa	

Applications

Tested Applications:
WB, IF/ICC, Cytometric bead array, Indirect ELISA

Species Specificity:
human, mouse, canine

Product Information

88895-2-PBS targets Gamma Catenin as part of a matched antibody pair:

MP03731-1: 88895-3-PBS capture and 88895-2-PBS detection (validated in Cytometric bead array)

Unconjugated rabbit recombinant monoclonal antibody in PBS only (BSA and azide free) storage buffer at a concentration of 1 mg/mL, ready for conjugation. Created using Proteintech's proprietary in-house recombinant technology. Recombinant production enables unrivalled batch-to-batch consistency, easy scale-up, and future security of supply.

This conjugation ready format makes antibodies ideal for use in many applications including: ELISAs, multiplex assays requiring matched pairs, mass cytometry, and multiplex imaging applications. Antibody use should be optimized by the end user for each application and assay.

Background Information

Plakoglobin (γ -catenin), a member of the Armadillo proteins, plays important roles in cell adhesion with α -catenin and β -catenin, is involved in Wnt signaling, and is translocated into the nucleus and binds LEF1. Plakoglobin is a major cytoplasmic component of both desmosomes and adherens junctions, and is the only known constituent common to submembranous plaques in both of these structures, which are located at the intercalated disc (ICD) of cardiomyocytes. Plakoglobin links cadherins to the actin cytoskeleton. Mutations in plakoglobin are associated with arrhythmogenic right ventricular dysplasia and Pempigus vulgaris.

Storage

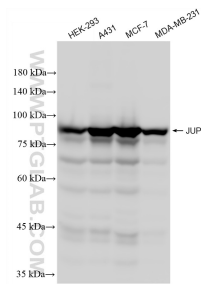
Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

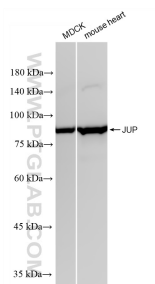
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

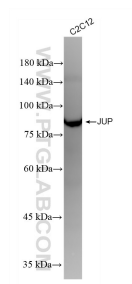
Selected Validation Data



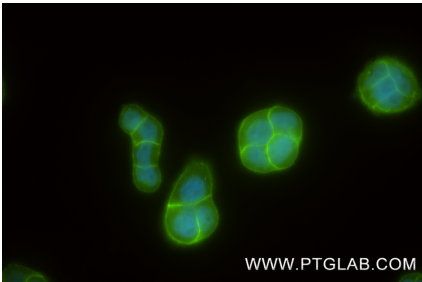
Various lysates were subjected to SDS PAGE followed by western blot with 88895-2-RR (JUP antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 88895-2-PBS in a different storage buffer formulation.



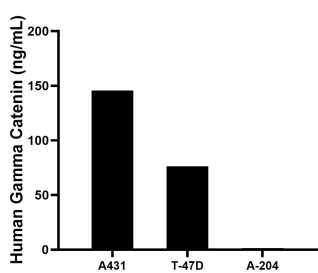
Various lysates were subjected to SDS PAGE followed by western blot with 88895-2-RR (JUP antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 88895-2-PBS in a different storage buffer formulation.



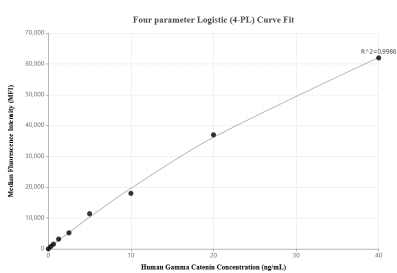
C2C12 cells lysates were subjected to SDS PAGE followed by western blot with 88895-2-RR (JUP antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 88895-2-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed HT-29 cells using Gamma Catenin antibody (88895-2-RR, Clone: 261780E6) at dilution of 1:500 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). This data was developed using the same antibody clone with 88895-2-PBS in a different storage buffer formulation.



The mean Gamma Catenin concentration was determined to be 145.6 ng/mL in A431 cell extract based on a 1.2 mg/mL extract load, 76.2 ng/mL in T-47D cell extract based on a 1.2 mg/mL extract load, 1.5 ng/mL in A-204 cell extract based on a 1.2 mg/mL extract load.



Cytometric bead array standard curve of MP03731-1, Gamma Catenin Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 88895-3-PBS. Detection antibody: 88895-2-PBS. Standard: Ag1627. Range: 0.312-40 ng/mL.