

For Research Use Only

Gamma Catenin Polyclonal antibody

Catalog Number: 11146-1-AP

6 Publications



Basic Information

Catalog Number:

11146-1-AP

Size:

150ul, Concentration: 500 ug/ml by Nanodrop and 267 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG1627

GenBank Accession Number:

BC011865

GeneID (NCBI):

3728

UNIPROT ID:

P14923

Full Name:

junction plakoglobin

Calculated MW:

82 kDa

Observed MW:

82 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:50-1:200

Applications

Tested Applications:

WB, IHC, IP, ELISA

Cited Applications:

WB, IHC, IF, IP

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, rat

Positive Controls:

WB : mouse heart tissue, human heart tissue, HeLa cells, T-47D cells, A431 cells

IP : HT-29 cells,

IHC : human pancreas cancer tissue, human breast cancer tissue, human colon cancer tissue, human skin tissue

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

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 Pemphigus vulgaris.

Notable Publications

| Author | Pubmed ID | Journal | Application |
|-----------|-----------|----------------------------|-------------|
| Bing Sun | 27684953 | PLoS One | WB |
| M Shriver | 25381817 | Oncogene | WB |
| Yili Fang | 32560811 | Biochem Biophys Res Commun | WB |

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

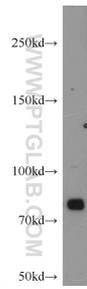
For technical support and original validation data for this product please contact:

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

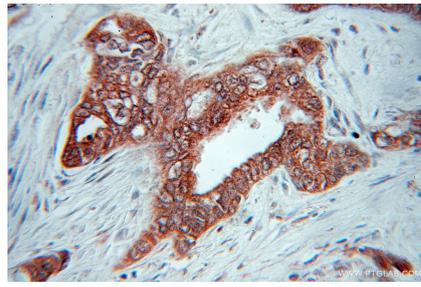
E: proteintech@ptglab.com
W: ptglab.com

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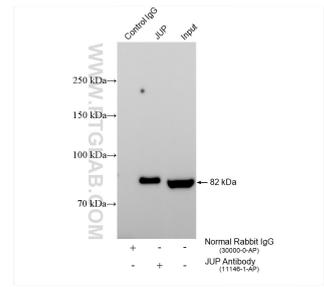
Selected Validation Data



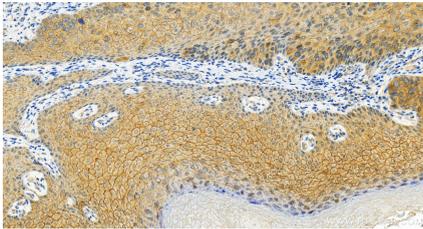
mouse heart tissue were subjected to SDS PAGE followed by western blot with 11146-1-AP (Plakoglobin/gamma catenin antibody at dilution of 1:1000 incubated at room temperature for 1.5 hours.



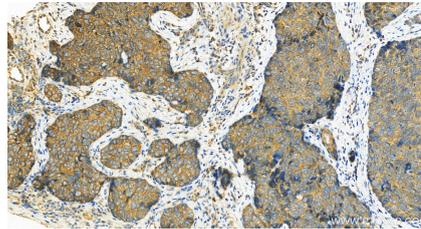
Immunohistochemical analysis of paraffin-embedded human pancreas cancer using 11146-1-AP (Plakoglobin/gamma catenin antibody) at dilution of 1:50 (under 10x lens).



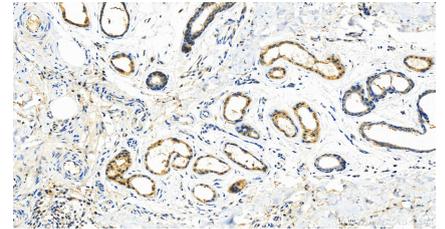
IP result of anti-Gamma Catenin (IP:11146-1-AP, 4ug; Detection:11146-1-AP 1:1000) with HT-29 cells lysate 1040 ug.



Immunohistochemical analysis of paraffin-embedded human Bowen disease slide using 11146-1-AP (Gamma Catenin antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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