

For Research Use Only

Plakophilin 2 Polyclonal antibody

Catalog Number: 26479-1-AP

2 Publications



Basic Information

Catalog Number:

26479-1-AP

Size:

150ul, Concentration: 750 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG24155

GenBank Accession Number:

BC094762

GeneID (NCBI):

5318

UNIPROT ID:

Q99959

Full Name:

plakophilin 2

Calculated MW:

837 aa, 93 kDa

Observed MW:

90 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:6000

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

IHC 1:200-1:800

IF/ICC 1:200-1:800

Applications

Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

Cited Applications:

WB, IF

Species Specificity:

human, rat

Cited Species:

human, mouse

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

Positive Controls:

WB : Caco-2 cells, HepG2 cells, rat heart tissue

IP : HepG2 cells,

IHC : human ovary cancer tissue,

IF/ICC : Caco-2 cells,

Background Information

Plakophilin 2 also known as PKP2, belongs to the beta-catenin family. Plakophilin proteins contain numerous armadillo repeats, localize to cell desmosomes and nuclei, and participate in linking cadherins to intermediate filaments in the cytoskeleton (PMID: 10828611). Mutations in PKP2 are associated with Arrhythmogenic right ventricular dysplasia, familial, 9 (ARVD9)(PMID: 15489853).

Notable Publications

Author	Pubmed ID	Journal	Application
Hui Xu	39117967	J Neurooncol	WB
Xuan Lai	38840221	J Nanobiotechnology	WB,IF

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

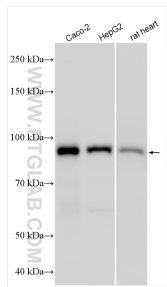
For technical support and original validation data for this product please contact:

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

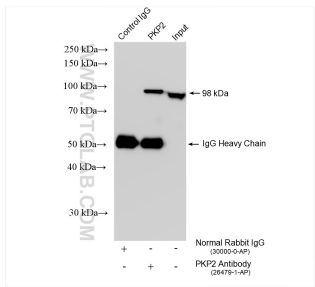
E: proteintech@ptglab.com
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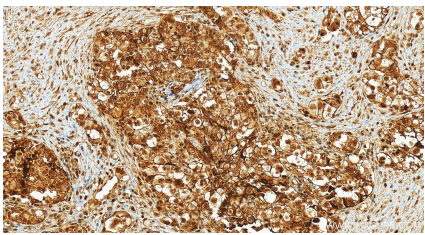
Selected Validation Data



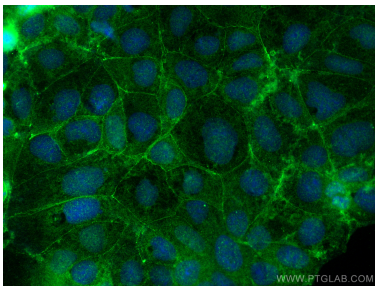
Various lysates were subjected to SDS PAGE followed by western blot with 26479-1-AP (Plakophilin 2 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



IP result of anti-Plakophilin 2 (IP:26479-1-AP, 4ug; Detection:26479-1-AP 1:1000) with HepG2 cells lysate 2200 ug.



Immunohistochemical analysis of paraffin-embedded human ovary cancer tissue slide using 26479-1-AP (Plakophilin 2 antibody) at dilution of 1:400 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed Caco-2 cells using Plakophilin 2 antibody (26479-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2).