

# P-cadherin Polyclonal antibody

Catalog Number: 13773-1-AP

10 Publications

## Basic Information

## Catalog Number:

13773-1-AP

## Size:

500 µg/ml

## Source:

Rabbit

## Isotype:

IgG

## Immunogen Catalog Number:

AG4758

## GenBank Accession Number:

BC041846

## GeneID (NCBI):

1001

## UNIPROT ID:

P22223

## Full Name:

cadherin 3, type 1, P-cadherin (placental)

## Calculated MW:

829 aa, 91 kDa

## Observed MW:

120 kDa

## Purification Method:

Antigen affinity purification

## Recommended Dilutions:

WB 1:500-1:2000

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

IHC 1:50-1:500

IF 1:50-1:500

## Applications

## Tested Applications:

FC, IF/ICC, IHC, IP, WB, ELISA

## Cited Applications:

IF, IHC, WB

## Species Specificity:

human, mouse, rat

## Cited Species:

human, rat, mouse

## Positive Controls:

WB : A431 cells,

IP : A431 cells,

IHC : human breast cancer tissue, human stomach cancer tissue

IF : A431 cells,

**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

Cadherins are a family of transmembrane glycoproteins that mediate calcium-dependent cell-cell adhesion and play an important role in the maintenance of normal tissue architecture. P-cadherin (placental cadherin), also known as CDH3 (cadherin 3), is a classical member of the cadherin superfamily which also include E-, N-, R-, and B-cadherins. Aberrant expression of P-cadherin has been reported in many cancers, including breast, gastric, endometrial, ovarian, and prostate cancer.

## Notable Publications

Author	Pubmed ID	Journal	Application
Hans I-Chen Harn	33972536	Nat Commun	IF
Anna Adamus	33947373	BMC Complement Med Ther	WB
Li Li	31182916	Int J Biol Sci	WB,IHC

## 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

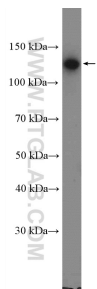
For technical support and original validation data for this product please contact:

T: 4006900926

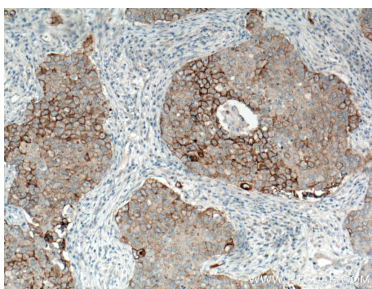
E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)W: [ptgcn.com](http://ptgcn.com)

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

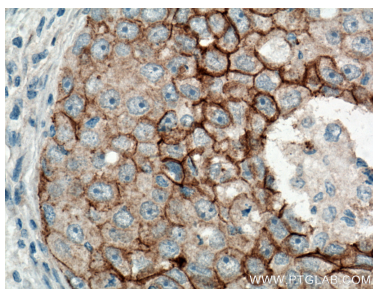
Selected Validation Data



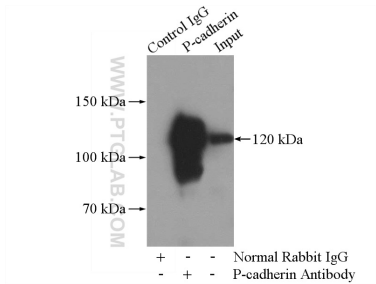
A431 cells were subjected to SDS PAGE followed by western blot with 13773-1-AP (P-cadherin antibody at dilution of 1:1000 incubated at room temperature for 1.5 hours.



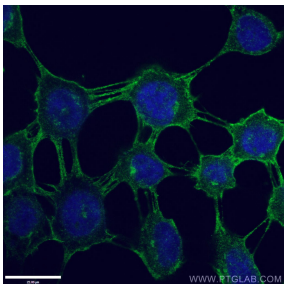
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 13773-1-AP (P-cadherin antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



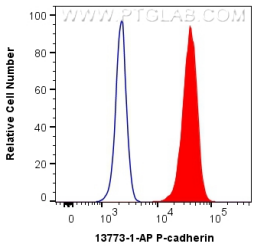
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 13773-1-AP (P-cadherin antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP result of anti-P-cadherin (IP:13773-1-AP, 4ug; Detection:13773-1-AP 1:300) with A431 cells lysate 3040ug.



Immunofluorescent analysis of (-20°C Ethanol) fixed A431 cells using 13773-1-AP (P-cadherin antibody) at dilution of 1:100 and Alexa Fluor 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



1X10<sup>6</sup> A431 cells were intracellularly stained with 0.4 ug Anti-Human P-cadherin (13773-1-AP) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Isotype Control. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).