

For Research Use Only

# P-cadherin Monoclonal antibody

Catalog Number: 66295-1-Ig **1 Publications**



## Basic Information

Catalog Number: 66295-1-Ig	GenBank Accession Number: BC041846	Purification Method: Protein G purification
Size: 1700 µg/ml	GeneID (NCBI): 1001	CloneNo.: 1G10F7
Source: Mouse	UNIPROT ID: P22223	Recommended Dilutions: WB 1:500-1:2000 IHC 1:50-1:500
Isotype: IgG1	Full Name: cadherin 3, type 1, P-cadherin (placental)	
Immunogen Catalog Number: AG4758	Calculated MW: 829 aa, 91 kDa	
	Observed MW: 120 kDa	

## Applications

Tested Applications: WB, IHC, ELISA	Positive Controls:
Cited Applications: WB	WB : A431 cells,
Species Specificity: human	IHC : human placenta tissue,
Cited Species: human, mouse	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## 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
Yunuo Dai	39561553	Biosens Bioelectron	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

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

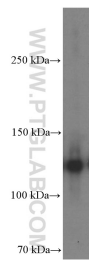
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

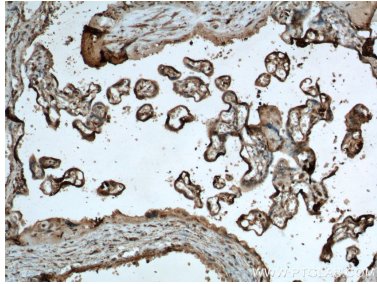
W: [ptgcn.com](http://ptgcn.com)

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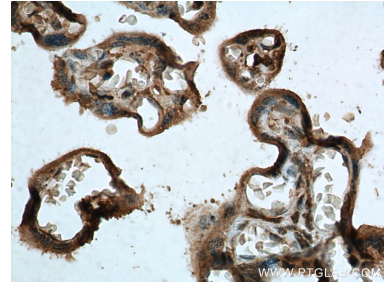
Selected Validation Data



A431 cells were subjected to SDS PAGE followed by western blot with 66295-1-Ig (P-cadherin antibody at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 66295-1-Ig (P-cadherin antibody) at dilution of 1:250 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 66295-1-Ig (P-cadherin antibody) at dilution of 1:250 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).