

## Product datasheet for **CF505537**

### PCDH7 Mouse Monoclonal Antibody [Clone ID: OTI1F7]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI1F7
Applications:	IF, IHC, WB
Recommended Dilution:	WB 1:2000, IHC 1:150, IF 1:100
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human PCDH7(NP_115833) produced in HEK293T cell.
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	132.4 kDa
Gene Name:	protocadherin 7
Database Link:	<a href="#">NP_115833</a> <a href="#">Entrez Gene 54216 Mouse</a> <a href="#">Entrez Gene 5099 Human</a> <a href="#">O60245</a>



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**Background:**

This gene belongs to the protocadherin gene family, a subfamily of the cadherin superfamily. The gene encodes a protein with an extracellular domain containing 7 cadherin repeats. The gene product is an integral membrane protein that is thought to function in cell-cell recognition and adhesion. Alternative splicing yields isoforms with unique cytoplasmic tails. [provided by RefSeq]

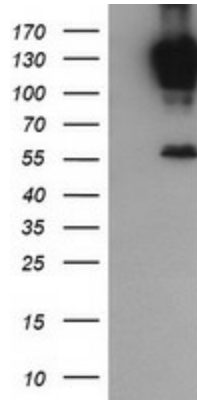
**Synonyms:**

BH-Pcdh; BHPCDH; PPP1R120

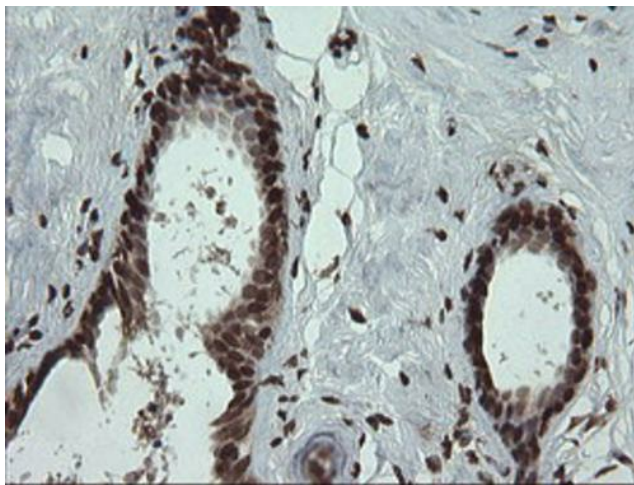
**Protein Families:**

Druggable Genome, Transmembrane

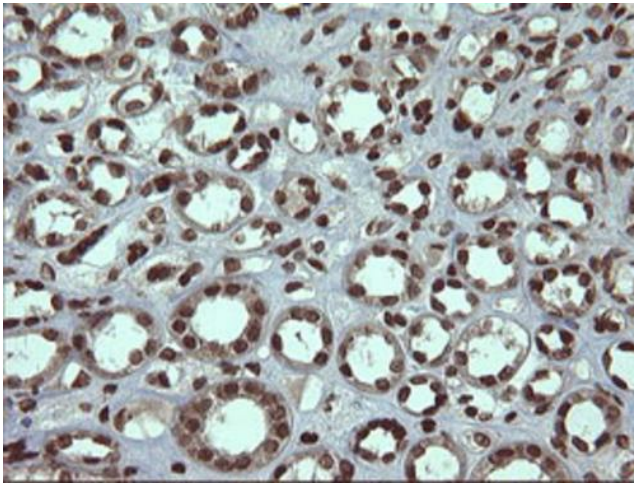
**Product images:**



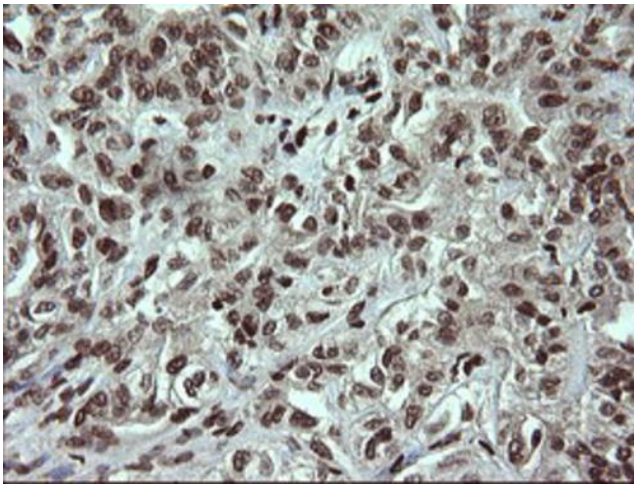
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY PCDH7 ([RC223033], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-PCDH7. Positive lysates [LY410093] (100ug) and [LC410093] (20ug) can be purchased separately from OriGene.



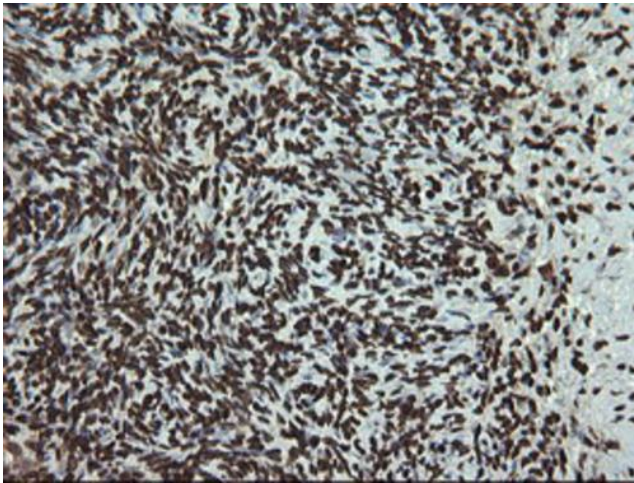
Immunohistochemical staining of paraffin-embedded Human breast tissue within the normal limits using anti-PCDH7 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA505537])



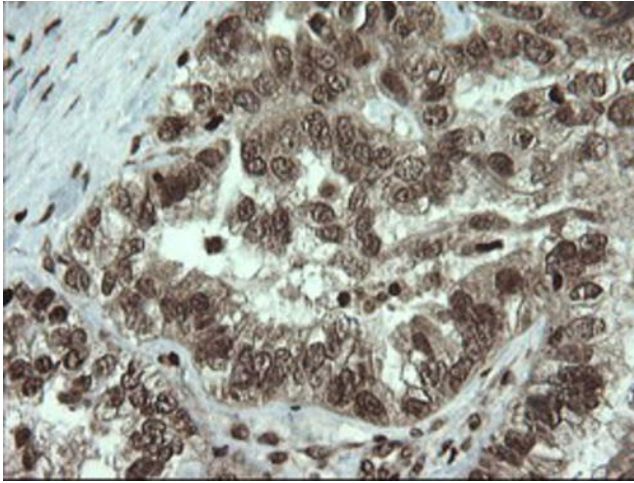
Immunohistochemical staining of paraffin-embedded Human Kidney tissue within the normal limits using anti-PCDH7 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA505537])



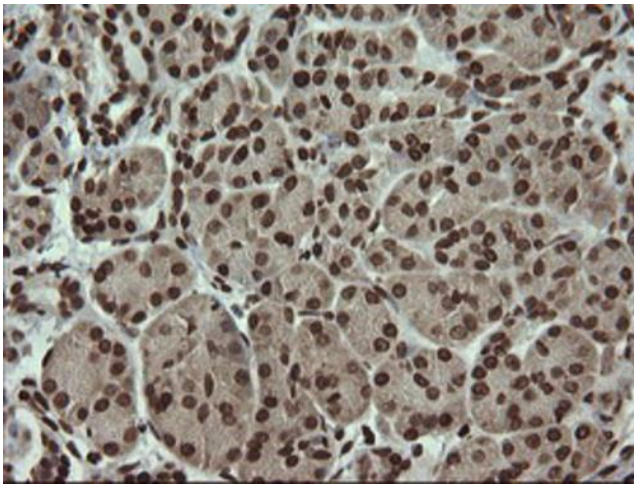
Immunohistochemical staining of paraffin-embedded Carcinoma of Human kidney tissue using anti-PCDH7 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA505537])



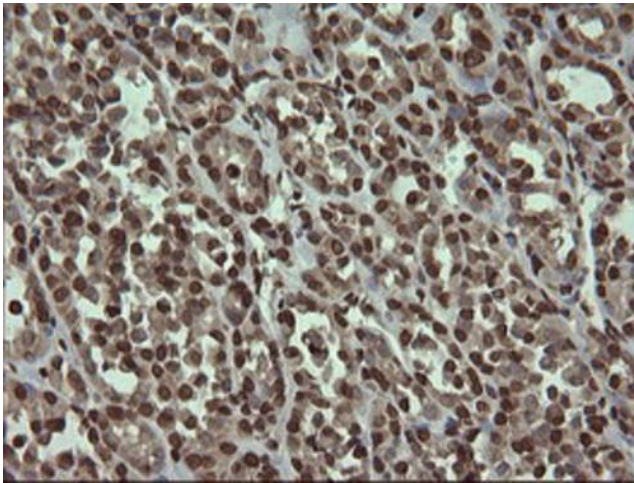
Immunohistochemical staining of paraffin-embedded Human Ovary tissue within the normal limits using anti-PCDH7 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA505537])



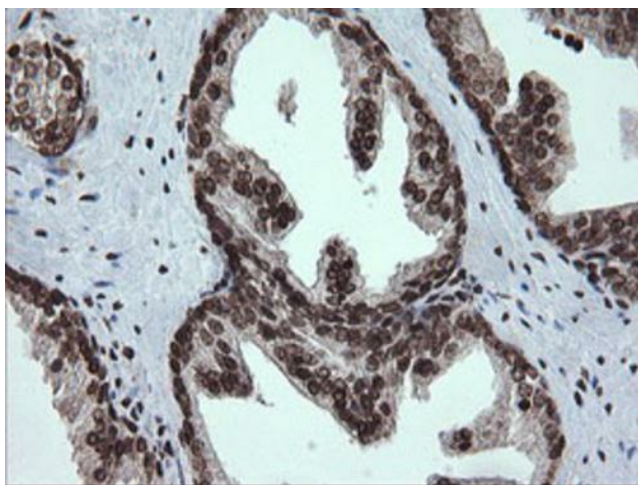
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human ovary tissue using anti-PCDH7 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA505537])



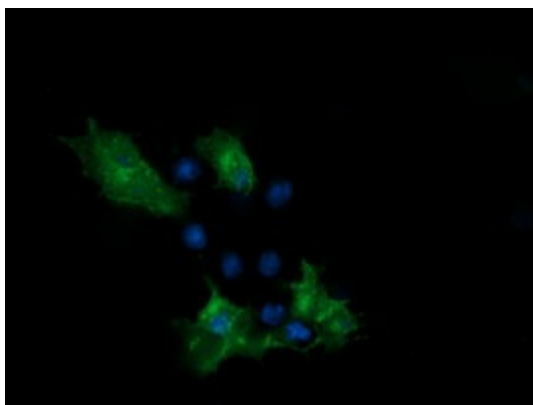
Immunohistochemical staining of paraffin-embedded Human pancreas tissue within the normal limits using anti-PCDH7 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA505537])



Immunohistochemical staining of paraffin-embedded Carcinoma of Human thyroid tissue using anti-PCDH7 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA505537])



Immunohistochemical staining of paraffin-embedded Human prostate tissue within the normal limits using anti-PCDH7 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA505537])



Anti-PCDH7 mouse monoclonal antibody ([TA505537]) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY PCDH7 ([RC223033]).