

# P cadherin Rabbit mAb

Catalog # AP75869

## Product Information

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<b>Application</b>	WB, IHC-P, IHC-F, FC, IP
<b>Primary Accession</b>	<a href="#">P22223</a>
<b>Reactivity</b>	Rat, Human, Mouse
<b>Host</b>	Rabbit
<b>Clonality</b>	Monoclonal Antibody
<b>Isotype</b>	IgG
<b>Conjugate</b>	Unconjugated
<b>Purification</b>	Affinity Purified
<b>Calculated MW</b>	91418

## Additional Information

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<b>Gene ID</b>	1001
<b>Other Names</b>	CDH3
<b>Dilution</b>	WB~~1:1000-1:5000 IHC-P~~N/A IHC-F~~N/A FC~~1:20-1:50 IP~~1:20
<b>Format</b>	Liquid in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA.
<b>Storage</b>	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

## Protein Information

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<b>Name</b>	CDH3
<b>Synonyms</b>	CDHP
<b>Function</b>	Cadherins are calcium-dependent cell adhesion proteins. They preferentially interact with themselves in a homophilic manner in connecting cells; cadherins may thus contribute to the sorting of heterogeneous cell types.
<b>Cellular Location</b>	Cell membrane; Single-pass type I membrane protein
<b>Tissue Location</b>	Expressed in some normal epithelial tissues and in some carcinoma cell lines.

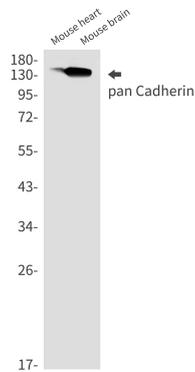
## Background

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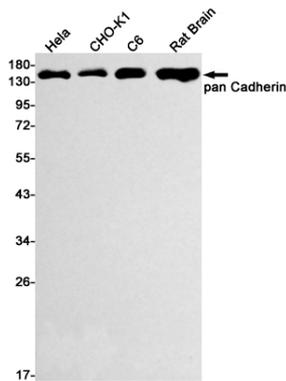
This gene is a classical cadherin from the cadherin superfamily. The encoded protein is a calcium-dependent

cell-cell adhesion glycoprotein comprised of five extracellular cadherin repeats, a transmembrane region and a highly conserved cytoplasmic tail. This gene is located in a six-cadherin cluster in a region on the long arm of chromosome 16 that is involved in loss of heterozygosity events in breast and prostate cancer. In addition, aberrant expression of this protein is observed in cervical adenocarcinomas. Mutations in this gene have been associated with congenital hypotrichosis with juvenile macular dystrophy.

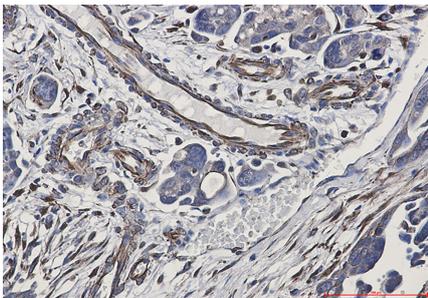
## Images



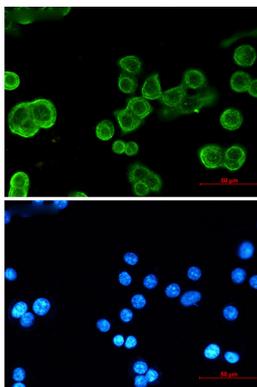
Western blot analysis of pan Cadherin in mouse heart, mouse brain lysates using Cadherin antibody.



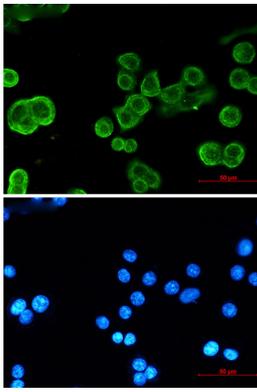
Western blot analysis of pan Cadherin in HeLa, CHO-K1, C6, rat Brain lysates using pan Cadherin antibody.



Immunohistochemistry analysis of paraffin-embedded Human Cholangiocarcinoma using pan Cadherin antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.



Immunocytochemistry analysis of pan Cadherin (green) in MCF-7 using pan Cadherin antibody, and DAPI (blue).



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