

# CDH7 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP1471a

## Product Information

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<b>Application</b>	WB, IHC-P, FC, E
<b>Primary Accession</b>	<a href="#">Q9ULB5</a>
<b>Other Accession</b>	<a href="#">Q8BM92</a> , <a href="#">Q90763</a>
<b>Reactivity</b>	Human
<b>Predicted</b>	Chicken, Mouse
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	Rabbit IgG
<b>Clone Names</b>	RB13684
<b>Calculated MW</b>	87086
<b>Antigen Region</b>	56-84

## Additional Information

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<b>Gene ID</b>	1005
<b>Other Names</b>	Cadherin-7, CDH7, CDH7L1
<b>Target/Specificity</b>	This CDH7 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 56-84 amino acids from the N-terminal region of human CDH7.
<b>Dilution</b>	WB~~1:1000 IHC-P~~1:100~500 FC~~1:10~50 E~~Use at an assay dependent concentration.
<b>Format</b>	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
<b>Storage</b>	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
<b>Precautions</b>	CDH7 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	CDH7
<b>Synonyms</b>	CDH7L1

<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

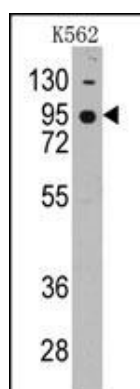
## Background

CDH7 is a type II classical cadherin from the cadherin superfamily. This protein is a calcium dependent cell-cell adhesion glycoprotein comprised of five extracellular cadherin repeats, a transmembrane region and a highly conserved cytoplasmic tail. Type II (atypical) cadherins are defined based on their lack of a HAV cell adhesion recognition sequence specific to type I cadherins. Cadherins mediate cell-cell binding in a homophilic manner, contributing to the sorting of heterogeneous cell types and the maintenance of orderly structures.

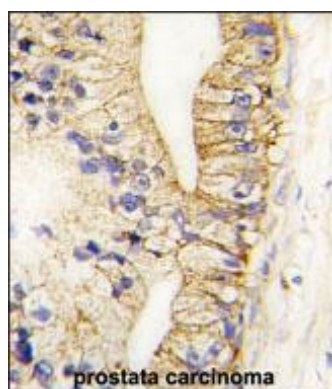
## References

Moore,R., *Oncogene* 23 (40), 6726-6735 (2004)  
Kools,P., *Genomics* 68 (3), 283-295 (2000)  
Shimoyama,Y., *Biochem. J.* 349 (PT 1), 159-167 (2000)  
Kremmidiotis,G., *Genomics* 49 (3), 467-471 (1998)

## Images

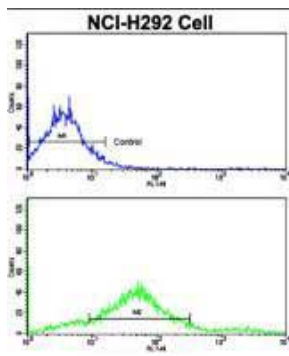


Western blot analysis of anti-CDH7 Pab (Cat.#AP1471a) in K562 cell line lysates (35ug/lane). CDH7(arrow) was detected using the purified Pab.



Formalin-fixed and paraffin-embedded human prostate carcinoma tissue reacted with CDH7 antibody (N-term) (Cat.#AP1471a), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

Flow cytometric analysis of NCI-H292 cells using Cadherin 7 (CDH7) Antibody (N-term)(bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.