

CDH7 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP1471a

Product Information

Application	WB, IHC-P, FC, E
Primary Accession	Q9ULB5
Other Accession	Q8BM92 , Q90763
Reactivity	Human
Predicted	Chicken, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB13684
Calculated MW	87086
Antigen Region	56-84

Additional Information

Gene ID	1005
Other Names	Cadherin-7, CDH7, CDH7L1
Target/Specificity	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.
Dilution	WB~~1:1000 IHC-P~~1:100~500 FC~~1:10~50 E~~Use at an assay dependent concentration.
Format	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.
Storage	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.
Precautions	CDH7 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	CDH7
Synonyms	CDH7L1

Function	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.
Cellular Location	Cell membrane; Single-pass type I membrane protein

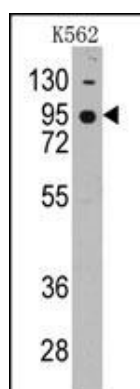
Background

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.

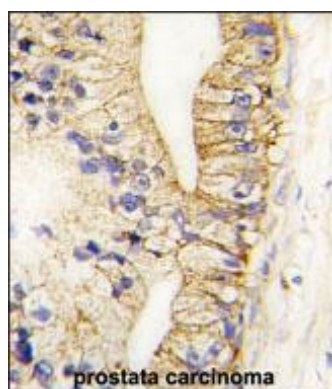
References

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

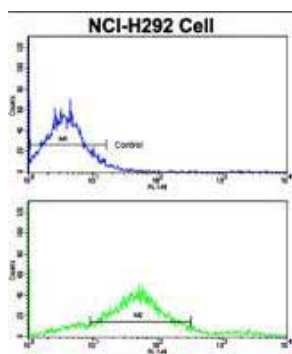


Western blot analysis of anti-CDH7 Pab (Cat.#AP1471a) in K562 cell line lysates (35ug/lane). CDH7(arrow) was detected using the purified Pab.



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.



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