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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, Rat, Bovine, Canine, Rabbit
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

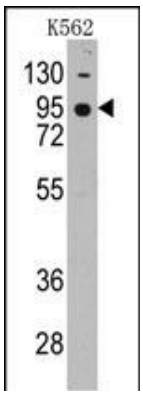
Background

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.

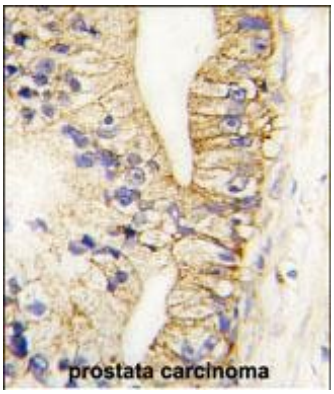
References

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

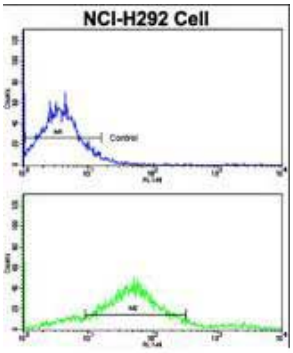


Western blot analysis of anti-CDH7 Pab (Cat.#AP1471a) in K562 cell line lysates (35ug/lane). CDH7(arrow) was detected using the purified Pab.



Formalin-fixed and paraffin-embedded human prostata 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'.