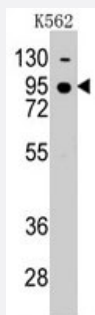


CDH7 polyclonal antibody

Catalog # PAB3132

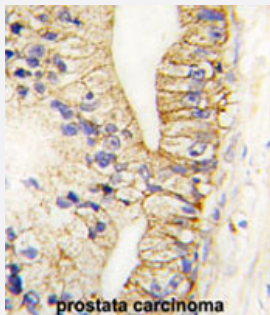
Size 400 uL

Applications



Western Blot (Cell lysate)

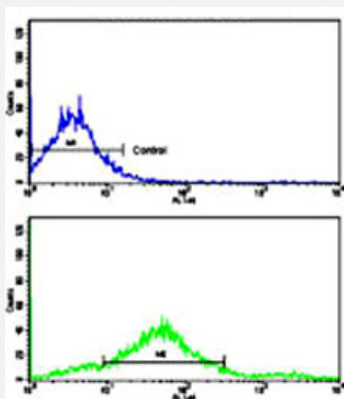
Western blot analysis of CDH7 polyclonal antibody (Cat # PAB3132) in K-562 cell line lysates (35 ug/lane). CDH7 (arrow) was detected using the purified polyclonal antibody.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Formalin-fixed and paraffin-embedded human prostate carcinoma reacted with CDH7 polyclonal antibody (Cat # PAB3132), which was peroxidase-conjugated to the secondary antibody, followed by AEC staining.

This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



Flow Cytometry

Flow cytometric analysis of NCI-H292 cells using CDH7 polyclonal antibody (Cat # PAB3132) (bottom histogram) compared to a negative control cell (top histogram).

FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

Specification

Product Description

Rabbit polyclonal antibody raised against synthetic peptide of CDH7.

Immunogen	A synthetic peptide (conjugated with KLH) corresponding to N-terminus of human CDH7.
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Protein A purification
Recommend Usage	Western Blot (1:1000) Immunohistochemistry (1:10-50) Flow cytometry (1:10-50) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

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Gene Info — CDH7

Entrez GeneID

[1005](#)

Protein Accession#

[NP_387450;Q9ULB5](#)

Gene Name	CDH7
Gene Alias	CDH7L1
Gene Description	cadherin 7, type 2
Omim ID	605806
Gene Ontology	Hyperlink
Gene Summary	This gene is a type II classical cadherin from the cadherin superfamily. The encoded membrane 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. Alternative splicing in the 5' UTR of this gene yields variant transcripts encoding the same protein. [provided by RefSeq]
Other Designations	OTTHUMP00000163685 cadherin-7

Publication Reference

- [Involvement of cadherins 7 and 20 in mouse embryogenesis and melanocyte transformation.](#)

Moore R, Champeval D, Denat L, Tan SS, Faure F, Julien-Grille S, Larue L.

Oncogene 2004 Sep; 23(40):6726.

- [Characterization of three novel human cadherin genes \(CDH7, CDH19, and CDH20\) clustered on chromosome 18q22-q23 and with high homology to chicken cadherin-7.](#)

Kools P, Van Imschoot G, van Roy F.

Genomics 2000 Sep; 68(3):283.

- [Identification of three human type-II classic cadherins and frequent heterophilic interactions between different subclasses of type-II classic cadherins.](#)

Shimoyama Y, Tsujimoto G, Kitajima M, Natori M.

The Biochemical Journal 2000 Jul; 349(Pt 1):159.

Disease

- [Tobacco Use Disorder](#)